

Phone: 1-678-827-9993 Fax: 1-509-696-4035 sales@advancedbiochemicals.com

CATALOG & PRICE

Polyethylene (PEG) Products

2017

Advanced BioChemicals, LLC PO Box 465066 Lawrenceville, GA 30042 USA

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Linear Monodisperse PEG products

R_1 -(OCH₂CH₂)_n- R_2 n = 4 - 84

R ₁ , R ₂ =	<u>H, H</u> ;	<u>H, OMe</u> ;	<u>H, Alkyne</u> ;	<u>H, OBn</u> ;	<u>H, SH</u> ;	<u>H, N</u> 3;
	<u>Me, N</u> 3;	<u>Me, NH</u> 2;	Me, MAL;	Me, SH;	<u>Me, Alkyne;</u>	<mark>Ме, СООН;</mark>
	Me, SPA;	Me, NHNH ₂ ;				
	<u>N₃, SH</u> ;	<u>N₃, СООН</u> ;	<u>N₃, SPA</u> ;	<u>NH₂, COOH</u> ;	BocNH, COOH;	FmocNH, COOH;
	BocNH, SPA;		FmocNH, SPA	\;	<u>NH2, COO^tBu;</u>	MAL, COOH;

Monodisperse Polyethylene Glycol

$H(OCH_2CH_2)nOH$ n = 4 - 84

Catalog #	Name	MW	Price
MDP0001	$H(OCH_2CH_2)_n-OH, n = 4 - 84$	194 - 3718	<u>Quote</u>

Monodisperse Methoxypolyethylene Glycol

$H(OCH_2CH_2)nOMe n = 4 - 48$

Catalog #	Name	MW	Price
MDP0002	$H(OCH_2CH_2)_n$ -OMe, n = 4 - 48	208 - 2146	<u>Quote</u>

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Monodisperse Polyethylene glycol Alkyne

$H(OCH_2CH_2)nOCH_2C\equiv CH$ n = 4 - 48

Catalog #	Name	MW	Price
MDP0003	$H(OCH_2CH_2)_nOCH_2C \equiv CH, n = 4 - 48$	232 - 2170	<u>Quote</u>

Monodisperse Polyethylene Glycol Benzyl Ether

 $H(OCH_2CH_2)nOBn$ n = 4 - 48

Catalog #	Name	MW	Price
MDP0004	$H(OCH_2CH_2)_n-OBn, n = 4 - 48$	282 - 2222	<u>Quote</u>

Monodisperse Polyethylene Glycol Thiol

$H(OCH_2CH_2)nSH n = 4 - 48$

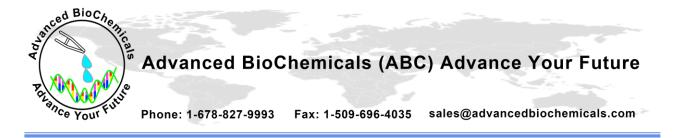
Catalog #	Name	MW	Price
MDP0005	$H(OCH_2CH_2)_n$ -SH, n = 4 - 48	210 - 2148	Quote

Monodisperse Polyethylene Glycol Azide $H(OCH_2CH_2)nN_3$ n = 4 - 48

Catalog #	Name	MW	Price
MDP0006	$H(OCH_2CH_2)_n-N_3, n = 4 - 48$	232 - 2170	<u>Quote</u>

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Monodisperse Methylpolyethylene Glycol Azide

$$Me \left[O \right]_{n}^{N_{3}} n= 4-28$$

Catalog #	Name	MW	Price
MDP0007	mPEG _n -N ₃ , $n = 4 - 28$	233 - 1290	<u>Quote</u>

Monodisperse Methylpolyethylene Glycol Amine

$$Me \left\{ O \right\}_{n=4-28}^{NH_2} n= 4-28$$

Catalog #	Name	MW	Price
MDP0008	$mPEG_n-NH_2, n = 4 - 28$	207 - 1264	Quote

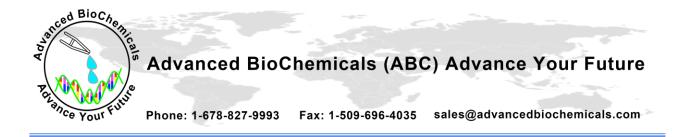
Monodisperse Methylpolyethylene Glycol Maleimide

$$Me \left[0 \right] \stackrel{N}{\underset{O}{\longrightarrow}} n = 4 - 28$$

Catalog #	Name	MW	Price
MDP0009	mPEG _n -MAL, $n = 4 - 28$	287 - 1344	<u>Quote</u>

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Monodisperse Methylpolyethylene Glycol Thiol

$$Me \left\{ o \right\}_{n}^{SH} n= 4 - 28$$

Catalog #	Name	MW	Price
MDP0010	mPEG _n -SH, $n = 4 - 28$	224 - 1281	Quote

Monodisperse Methylpolyethylene Glycol Alkyne

$$Me \left[0 \right]_{n}^{O} n= 4-28$$

Catalog #	Name	MW	Price
MDP0011	mPEG _n -Alkyne, $n = 4 - 28$	246 - 1303	<u>Quote</u>

Monodisperse Methylpolyethylene Glycol Acid

Catalog #	Name	MW	Price
MDP0012	mPEG _n -COOH, $n = 4 - 28$	280 - 1337	<u>Quote</u>

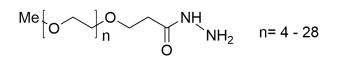
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Monodisperse Methylpolyethylene Glycol Succinimidyl Propionate

Catalog #	Name	MW	Price
MDP0013	mPEG _n -SPA, $n = 4 - 28$	377 - 1434	<u>Quote</u>

Monodisperse Methylpolyethylene Glycol Hydrazide



Catalog #	Name	MW	Price
MDP0014	$mPEG_n-NHNH_2$, $n = 4 - 28$	294 - 1351	<u>Quote</u>

Monodisperse α-Azido, ω-Thiol Polyethylene Glycol

$$N_3 \left(O \right)_n^{SH} n = 4 - 28$$

Catalog #	Name	MW	Price
MDP0015	N_3 -PEG _n -SH, n = 4 - 28	235 - 1292	<u>Quote</u>

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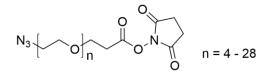


Monodisperse α-Azido, ω-Acid Polyethylene Glycol

$$N_3$$
 O_n $O_n = 4 - 28$

Catalog #	Name	MW	Price
MDP0016	N ₃ -PEG _n -COOH, n = 4 - 28	291 - 1348	<u>Quote</u>

Monodisperse α -Azido, ω -Succinimidyl Propionic Acid Polyethylene Glycol



Catalog #	Name	MW	Price
MDP0017	N_3 -PEG _n -SPA, n = 4 - 28	388 - 1445	<u>Quote</u>

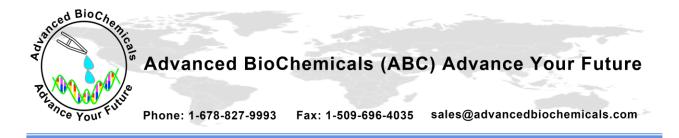
Monodisperse a-Amino, ω -Acid Polyethylene Glycol

$$H_2N$$
 O_n $O_n = 4 - 28$

Catalog #	Name	MW	Price
MDP0018	NH ₂ -PEG _n -COOH, n = 4 - 28	265 - 1322	<u>Quote</u>

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Monodisperse α-Amino, ω-Acid Polyethylene Glycol

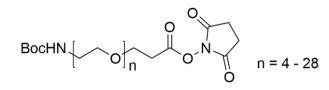
BocHN
$$\left[\begin{array}{c} 0 \end{array} \right]_n$$
 COOH $n = 4 - 28$

Catalog #	Name	MW	Price
MDP0019	BocNH-PEG _n -COOH, $n = 4 - 28$	365 - 1422	<u>Quote</u>

Monodisperse α-Amino, ω-Acid Polyethylene Glycol

Catalog #	Name	MW	Price
MDP0020	FmocNH-PEG _n -COOH, $n = 4 - 28$	487 - 1544	<u>Quote</u>

Monodisperse α -Amino, ω -Succinimidyl Propionic Acid Polyethylene Glycol



Catalog #	Name	MW	Price
MDP0021	BocNH-PEG _n -SPA, $n = 4 - 28$	462 - 1519	Quote

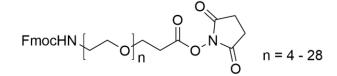
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Monodisperse α-Amino, ω-Succinimidyl Propionic Acid Polyethylene Glycol



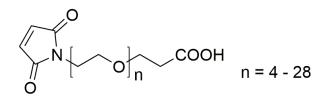
Catalog #	Name	MW	Price
MDP0022	FmocNH-PEG _n -SPA, $n = 4 - 28$	584 - 1641	Quote

Monodisperse α-Amino, ω-Acid Polyethylene Glycol

$$H_2N$$
 O_n COO^tBu $n = 4 - 28$

Catalog #	Name	MW	Price
MDP0023	NH_2 -PEG _n -COO ^t Bu, n = 4 - 28	321 - 1378	<u>Quote</u>

Monodisperse α-**Maleimide**, ω-**Acid Polyethylene Glycol**



Catalog #	Name	MW	Price
MDP0024	MAL-PEG _n -COO ^t Bu, $n = 4 - 28$	345 - 1402	<u>Quote</u>

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Linear Monofunctional PEG products

 $H_3CO-(CH_2CH_2O)_n$ -R

 $\mathbf{R} = \underline{H}, \underline{NH_2}, \underline{COOH}, \underline{Alkyne}, \underline{SH}, \underline{MAL}, \underline{pALD}, \underline{N_3}, \underline{NCO}, \underline{EO}, \underline{Acrylate}, \underline{MA}, \underline{SC}, \underline{PA}, \underline{SPA}, \underline{SCM}, \underline{SSA}, \underline{SS}, \underline{NPC}, \underline{IA}, \underline{bALD}, \underline{SBA};$

Methoxypolyethylene glycol

 $CH_3O-(CH_2CH_2O)_n-H$

Catalog #	Name and MW	Price			
MOP0101	mPEG-OH, 2K	\$70/5g	\$100/10g	\$300/50g	\$400/100g
MOP0102	mPEG-OH, 3.5K	\$70/5g	\$100/10g	\$300/50g	\$400/100g
MOP0103	mPEG-OH, 5K	\$70/5g	\$100/10g	\$300/50g	\$400/100g
MOP0104	mPEG-OH, 10K	\$70/5g	\$100/10g	\$300/50g	\$400/100g
MOP0105	mPEG-OH, 20K	\$70/5g	\$100/10g	\$300/50g	\$400/100g
MOP0106	mPEG-OH, 40K	\$70/5g	\$100/10g	\$300/50g	\$400/100g

Methoxypolyethylene glycol amine, HCl salts

$CH_3O-(CH_2CH_2O)_n-CH_2CH_2-NH_2$

Catalog #	Name and MW	Price		
MOP0201	mPEG-NH ₂ , 2K	\$60/1g	\$240/5g	\$380/10g
MOP0202	mPEG-NH ₂ , 3.5K	\$60/1g	\$240/5g	\$380/10g
MOP0203	mPEG-NH ₂ , 5K	\$60/1g	\$240/5g	\$380/10g
MOP0204	mPEG-NH ₂ , 10K	\$60/1g	\$240/5g	\$380/10g

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MOP0205	mPEG-NH ₂ , 20K	\$60/1g	\$240/5g	\$380/10g
MOP0206	mPEG-NH ₂ , 40K	\$60/1g	\$240/5g	\$380/10g

Methoxypolyethylene glycol carboxyl

$CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}-COOH$

Catalog #	Name and MW		Price	
MOP0301	mPEG-COOH, 2K	\$100/1g	\$380/5g	\$600/10g
MOP0302	mPEG-COOH, 3.5K	\$100/1g	\$380/5g	\$600/10g
MOP0303	mPEG-COOH, 5K	\$100/1g	\$380/5g	\$600/10g
MOP0304	mPEG-COOH, 10K	\$100/1g	\$380/5g	\$600/10g
MOP0305	mPEG-COOH, 20K	\$100/1g	\$380/5g	\$600/10g
MOP0306	mPEG-COOH, 40K	\$100/1g	\$380/5g	\$600/10g

Methoxypolyethylene glycol Alkyne

$CH_3O-(CH_2CH_2O)_n-CH_2-C\equiv CH$

Catalog #	Name and MW		Price	
MOP0401	mPEG-Alkyne, 2K	\$140/1g	\$560/5g	\$880/10g
MOP0402	mPEG-Alkyne, 3.5K	\$140/1g	\$560/5g	\$880/10g
MOP0403	mPEG-Alkyne, 5K	\$140/1g	\$560/5g	\$880/10g
MOP0404	mPEG-Alkyne, 10K	\$140/1g	\$560/5g	\$880/10g

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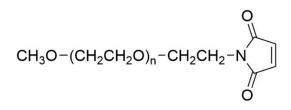
MOP0405	mPEG-Alkyne, 20K	\$140/1g	\$560/5g	\$880/10g
MOP0406	mPEG-Alkyne, 40K	\$140/1g	\$560/5g	\$880/10g

Methoxypolyethylene glycol thiol

$CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-SH$

Catalog #	Name and MW		Price	
MOP0501	mPEG-SH, 2K	\$140/1g	\$560/5g	\$880/10g
MOP0502	mPEG-SH, 3.5K	\$140/1g	\$560/5g	\$880/10g
MOP0503	mPEG-SH, 5K	\$140/1g	\$560/5g	\$880/10g
MOP0504	mPEG-SH, 10K	\$140/1g	\$560/5g	\$880/10g
MOP0505	mPEG-SH, 20K	\$140/1g	\$560/5g	\$880/10g
MOP0506	mPEG-SH, 40K	\$140/1g	\$560/5g	\$880/10g

Methoxypolyethylene glycol malemide



Catalog #	Name and MW	Price		
MOP0601	mPEG-MAL, 2K	\$150/1g	\$600/5g	\$960/10g
MOP0602	mPEG-MAL, 3.5K	\$150/1g	\$600/5g	\$960/10g

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MOP0603	mPEG-MAL, 5K	\$150/1g	\$600/5g	\$960/10g
MOP0604	mPEG-MAL, 10K	\$150/1g	\$600/5g	\$960/10g
MOP0605	mPEG-MAL, 20K	\$150/1g	\$600/5g	\$960/10g
MOP0606	mPEG-MAL, 40K	\$150/1g	\$600/5g	\$960/10g

Methoxypoly(ethylene glycol) maleimide

$$CH_3O-(CH_2CH_2O)_n-CH_2CH_2-NH-C-CH_2CH_2-N$$

Catalog #	Name and MW		Price	
MOP1401	mPEG-MAL, 2K	\$130/1g	\$520/5g	\$840/10g
MOP1402	mPEG-MAL, 3.5K	\$130/1g	\$520/5g	\$840/10g
MOP1403	mPEG-MAL, 5K	\$130/1g	\$520/5g	\$840/10g
MOP1404	mPEG-MAL, 10K	\$130/1g	\$520/5g	\$840/10g
MOP1405	mPEG-MAL, 20K	\$130/1g	\$520/5g	\$840/10g
MOP1406	mPEG-MAL, 40K	\$130/1g	\$520/5g	\$840/10g

Methoxypoly(ethylene glycol) aldehyde

 $H_3CO-(CH_2CH_2O)_n-CH_2CH_2-CHO$

Catalog #

Name and MW

Price

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MOP0701	mPEG-pALD, 2K	\$130/1g	\$520/5g	\$840/10g
MOP0702	mPEG-pALD, 3.5K	\$130/1g	\$520/5g	\$840/10g
MOP0703	mPEG-pALD, 5K	\$130/1g	\$520/5g	\$840/10g
MOP0704	mPEG-pALD, 10K	\$130/1g	\$520/5g	\$840/10g
MOP0705	mPEG-pALD, 20K	\$130/1g	\$520/5g	\$840/10g
MOP0706	mPEG-pALD, 40K	\$130/1g	\$520/5g	\$840/10g

Methoxypoly(ethylene glycol) azide

$H_3CO-(CH_2CH_2O)_n-CH_2CH_2-N_3$

Catalog #	Name and MW		Price	
MOP0801	mPEG-N ₃ , 2K	\$100/1g	\$400/5g	\$660/10g
MOP0802	mPEG-N ₃ , 3.5K	\$100/1g	\$400/5g	\$660/10g
MOP0803	mPEG-N ₃ , 5K	\$100/1g	\$400/5g	\$660/10g
MOP0804	mPEG-N ₃ , 10K	\$100/1g	\$400/5g	\$660/10g
MOP0805	mPEG-N ₃ , 20K	\$100/1g	\$400/5g	\$660/10g
MOP0806	mPEG-N ₃ , 40K	\$100/1g	\$400/5g	\$660/10g

Methoxypoly(ethylene glycol) isocyanate

H₃CO-(CH₂CH₂O)_n-CH₂CH₂-NCO

Catalog #

Name and MW

Price

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MOP0901	mPEG-NCO, 2K	\$250/1g	\$850/5g	\$1,500/10g
MOP0902	mPEG-NCO, 3.5K	\$250/1g	\$850/5g	\$1,500/10g
MOP0903	mPEG-NCO, 5K	\$250/1g	\$850/5g	\$1,500/10g
MOP0904	mPEG-NCO, 10K	\$250/1g	\$850/5g	\$1,500/10g
MOP0905	mPEG-NCO, 20K	\$250/1g	\$850/5g	\$1,500/10g
MOP0906	mPEG-NCO, 40K	\$250/1g	\$850/5g	\$1,500/10g

Methoxypoly(ethylene glycol) glycidyl ether

$$H_3CO-(CH_2CH_2O)_n-CH_2-CH_2$$

Catalog #	Name and MW	Price		
MOP1001	mPEG-EO, 2K	\$110/1g	\$440/5g	\$700/10g
MOP1002	mPEG-EO, 3.5K	\$110/1g	\$440/5g	\$700/10g
MOP1003	mPEG-EO, 5K	\$110/1g	\$440/5g	\$700/10g
MOP1004	mPEG-EO, 10K	\$110/1g	\$440/5g	\$700/10g
MOP1005	mPEG-EO, 20K	\$110/1g	\$440/5g	\$700/10g
MOP1006	mPEG-EO, 40K	\$110/1g	\$440/5g	\$700/10g

Methoxypoly(ethylene glycol) acrylate

$$\underset{H_3CO-(CH_2CH_2O)_n}{\overset{O}{\overset{\cup}{\leftarrow}}} - \underset{H}{\overset{O}{\overset{\cup}{\leftarrow}}} = CH_2$$

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Catalog #	Name and MW		Price	
MOP1101	mPEG-Acrylate, 2K	\$140/1g	\$560/5g	\$900/10g
MOP1102	mPEG-Acrylate, 3.5K	\$140/1g	\$560/5g	\$900/10g
MOP1103	mPEG-Acrylate, 5K	\$140/1g	\$560/5g	\$900/10g
MOP1104	mPEG-Acrylate, 10K	\$140/1g	\$560/5g	\$900/10g
MOP1105	mPEG-Acrylate, 20K	\$140/1g	\$560/5g	\$900/10g
MOP1106	mPEG-Acrylate, 40K	\$140/1g	\$560/5g	\$900/10g

Methoxypoly(ethylene glycol) methacrylate

$$\begin{array}{c} \underset{H_{3}CO-(CH_{2}CH_{2}O)_{n}}{\overset{H_{1}}{\overset{H_{2}}}{\overset{H_{1}}{\overset{H_{1}}{\overset{H_{1}}{\overset{H_{1}}{\overset{H_{1}}{\overset{H_{1}}{\overset{H_{1}}{\overset{H_{1}}{\overset{H_{1}}{\overset{H_{1}}{\overset{H_{1}}{\overset{H_{1}}{\overset{H_{1}}{\overset{H_{1}}{\overset{H_{1}}{\overset{H_{1}}}}{\overset{H_{1}$$

Catalog #	Name and MW		Price	
MOP1201	mPEG-MA, 2K	\$180/1g	\$720/5g	\$1,100/10g
MOP1202	mPEG-MA, 3.5K	\$180/1g	\$720/5g	\$1,100/10g
MOP1203	mPEG-MA, 5K	\$180/1g	\$720/5g	\$1,100/10g
MOP1204	mPEG-MA, 10K	\$180/1g	\$720/5g	\$1,100/10g
MOP1205	mPEG-MA, 20K	\$180/1g	\$720/5g	\$1,100/10g
MOP1206	mPEG-MA, 40K	\$180/1g	\$720/5g	\$1,100/10g

Methoxypoly(ethylene glycol) succinimidyl

$$H_3CO-(CH_2CH_2O)_n - \overset{O}{\overset{U}{\subset}} - O - N$$

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Catalog #	Name and MW		Price	
MOP1301	mPEG-SC, 2K	\$80/1g	\$320/5g	\$520/10g
MOP1302	mPEG-SC, 3.5K	\$80/1g	\$320/5g	\$520/10g
MOP1303	mPEG-SC, 5K	\$80/1g	\$320/5g	\$520/10g
MOP1304	mPEG-SC, 10K	\$80/1g	\$320/5g	\$520/10g
MOP1305	mPEG-SC, 20K	\$80/1g	\$320/5g	\$520/10g
MOP1306	mPEG-SC, 40K	\$80/1g	\$320/5g	\$520/10g

Methoxypolyethylene glycol propionic acid

 $H_3CO-(CH_2CH_2O)_n-CH_2CH_2-COOH$

Catalog #	Name and MW		Price	
MOP1501	mPEG-PA, 2K	\$200/1g	\$800/5g	\$1,200/10g
MOP1502	mPEG-PA, 3.5K	\$200/1g	\$800/5g	\$1,200/10g
MOP1503	mPEG-PA, 5K	\$200/1g	\$800/5g	\$1,200/10g
MOP1504	mPEG-PA, 10K	\$200/1g	\$800/5g	\$1,200/10g
MOP1505	mPEG-PA, 20K	\$200/1g	\$800/5g	\$1,200/10g
MOP1506	mPEG-PA, 40K	\$200/1g	\$800/5g	\$1,200/10g

Methoxypoly(ethyleneglycol)succinimidylpropionate

$$H_3CO-(CH_2CH_2O)_n-CH_2CH_2-\overset{O}{C}-O-N$$

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Catalog #	Name and MW		Price	
MOP1601	mPEG-SPA, 2K	\$180/1g	\$720/5g	\$1,100/10g
MOP1602	mPEG-SPA, 3.5K	\$180/1g	\$720/5g	\$1,100/10g
MOP1603	mPEG-SPA, 5K	\$180/1g	\$720/5g	\$1,100/10g
MOP1604	mPEG-SPA, 10K	\$180/1g	\$720/5g	\$1,100/10g
MOP1605	mPEG-SPA, 20K	\$180/1g	\$720/5g	\$1,100/10g
MOP1606	mPEG-SPA, 40K	\$180/1g	\$720/5g	\$1,100/10g

Methoxypoly(ethylene glycol) succinimidyl carboxymethyl ester

Catalog #	Name and MW		Price	
MOP1701	mPEG-SCM, 2K	\$120/1g	\$480/5g	\$780/10g
MOP1702	mPEG-SCM, 3.5K	\$120/1g	\$480/5g	\$780/10g
MOP1703	mPEG-SCM, 5K	\$120/1g	\$480/5g	\$780/10g
MOP1704	mPEG-SCM, 10K	\$120/1g	\$480/5g	\$780/10g
MOP1705	mPEG-SCM, 20K	\$120/1g	\$480/5g	\$780/10g
MOP1706	mPEG-SCM, 40K	\$120/1g	\$480/5g	\$780/10g

Methoxypoly(ethylene glycol) succinimidyl succinamide

$$H_{3}CO-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}NH-C-CH_{2}CH_{2}-C-O-N$$

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Catalog #	Name and MW		Price	
MOP1801	mPEG-SSA, 2K	\$130/1g	\$520/5g	\$840/10g
MOP1802	mPEG-SSA, 3.5K	\$130/1g	\$520/5g	\$840/10g
MOP1803	mPEG-SSA, 5K	\$130/1g	\$520/5g	\$840/10g
MOP1804	mPEG-SSA, 10K	\$130/1g	\$520/5g	\$840/10g
MOP1805	mPEG-SSA, 20K	\$130/1g	\$520/5g	\$840/10g
MOP1806	mPEG-SSA, 40K	\$130/1g	\$520/5g	\$840/10g

Methoxypoly(ethylene glycol) succinimidyl succinate

$$H_{3}CO-(CH_{2}CH_{2}O)_{n}-C-CH_{2}CH_{2}-C-O-N$$

Catalog #	Name and MW		Price	
MOP1901	mPEG-SS, 2K	\$80/1g	\$320/5g	\$520/10g
MOP1902	mPEG-SS, 3.5K	\$80/1g	\$320/5g	\$520/10g
MOP1903	mPEG-SS, 5K	\$80/1g	\$320/5g	\$520/10g
MOP1904	mPEG-SS, 10K	\$80/1g	\$320/5g	\$520/10g
MOP1905	mPEG-SS, 20K	\$80/1g	\$320/5g	\$520/10g
MOP1906	mPEG-SS, 40K	\$80/1g	\$320/5g	\$520/10g

Methoxypoly(ethylene glycol)Nitrophenyl Carbonate

$$H_{3}CO-(CH_{2}CH_{2}O)_{n}-\overset{O}{C}-O-\overset{O}{\swarrow}-NO_{2}$$

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Catalog #	Name and MW		Price	
MOP2001	mPEG-NPC, 2K	\$100/1g	\$400/5g	\$640/10g
MOP2002	mPEG-NPC, 3.5K	\$100/1g	\$400/5g	\$640/10g
MOP2003	mPEG-NPC, 5K	\$100/1g	\$400/5g	\$640/10g
MOP2004	mPEG-NPC, 10K	\$100/1g	\$400/5g	\$640/10g
MOP2005	mPEG-NPC, 20K	\$100/1g	\$400/5g	\$640/10g
MOP2006	mPEG-NPC, 40K	\$100/1g	\$400/5g	\$640/10g

Methoxypoly(ethylene glycol) Iodoactamide acid

$$H_3CO-(CH_2CH_2O)_n-CH_2CH_2NH-C-CH_2-I$$

Catalog #	Name and MW		Price	
MOP2101	mPEG-IA, 2K	\$250/1g	\$950/5g	\$1,500/10g
MOP2102	mPEG-IA, 3.5K	\$250/1g	\$950/5g	\$1,500/10g
MOP2103	mPEG-IA, 5K	\$250/1g	\$950/5g	\$1,500/10g
MOP2104	mPEG-IA, 10K	\$250/1g	\$950/5g	\$1,500/10g
MOP2105	mPEG-IA, 20K	\$250/1g	\$950/5g	\$1,500/10g
MOP2106	mPEG-IA, 40K	\$250/1g	\$950/5g	\$1,500/10g

Methoxypoly(ethylene glycol) butyl aldehyde

 $\mathrm{H_{3}CO^{-}(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}CH_{2}-CHO}$

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Catalog #	Name and MW		Price	
MOP2201	mPEG-bALD, 2K	\$250/1g	\$850/5g	\$1,500/10g
MOP2202	mPEG-bALD, 3.5K	\$250/1g	\$850/5g	\$1,500/10g
MOP2203	mPEG-bALD, 5K	\$250/1g	\$850/5g	\$1,500/10g
MOP2204	mPEG-bALD, 10K	\$250/1g	\$850/5g	\$1,500/10g
MOP2205	mPEG-bALD, 20K	\$250/1g	\$850/5g	\$1,500/10g
MOP2206	mPEG-bALD, 40K	\$250/1g	\$850/5g	\$1,500/10g

Methoxy poly (ethylene gly col) succinimidyl but ionate

$$H_3CO-(CH_2CH_2O)_n-CH_2CH_2CH_2-CH_2-C-O-N$$

Catalog #	Name and MW		Price	
MOP2301	mPEG-SBA, 2K	\$150/1g	\$600/5g	\$960/10g
MOP2302	mPEG-SBA, 3.5K	\$150/1g	\$600/5g	\$960/10g
MOP2303	mPEG-SBA, 5K	\$150/1g	\$600/5g	\$960/10g
MOP2304	mPEG-SBA, 10K	\$150/1g	\$600/5g	\$960/10g
MOP2305	mPEG-SBA, 20K	\$150/1g	\$600/5g	\$960/10g
MOP2306	mPEG-SBA, 40K	\$150/1g	\$600/5g	\$960/10g



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Linear Homobifunctional PEG Derivatives

 $R - (CH_2CH_2O)_n - R$ $R = NH_2$, COOH, Alkyne, SH, MAL, Acrylate, CHO, N₃, NCO, EO, MA, SC, SCM;

α,ω-Diamino poly(ethylene glycol)

 $H_2N-(CH_2CH_2O)_n-CH_2CH_2-NH_2$

Catalog #	Name and MW		Price	
HOP0201	NH ₂ -PEG-NH ₂ , 2K	\$60/1g	\$240/5g	\$400/10g
HOP0202	NH ₂ -PEG-NH ₂ , 3.5K	\$60/1g	\$240/5g	\$400/10g
HOP0203	NH ₂ -PEG-NH ₂ , 5K	\$60/1g	\$240/5g	\$400/10g
HOP0204	NH ₂ -PEG-NH ₂ , 10K	\$60/1g	\$240/5g	\$400/10g
HOP0205	NH ₂ -PEG-NH ₂ , 20K	\$60/1g	\$240/5g	\$400/10g
HOP0206	NH ₂ -PEG-NH ₂ , 40K	\$60/1g	\$240/5g	\$400/10g

α,ω-Dicarboxyl poly(ethylene glycol)

 $\mathsf{HOOC-H_2C-O-(CH_2CH_2O)_n-CH_2-COOH}$

Catalog #	Name and MW		Price	
HOP0301	HOOC-PEG-COOH, 2K	\$80/1g	\$320/5g	\$520/10g
HOP0302	HOOC-PEG-COOH, 3.5K	\$80/1g	\$320/5g	\$520/10g
НОР0303	HOOC-PEG-COOH, 5K	\$80/1g	\$320/5g	\$520/10g
HOP0304	HOOC-PEG-COOH, 10K	\$80/1g	\$320/5g	\$520/10g

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НОР0305	HOOC-PEG-COOH, 20K	\$80/1g	\$320/5g	\$520/10g
HOP0306	HOOC-PEG-COOH, 40K	\$80/1g	\$320/5g	\$520/10g

α,ω-Dialkynyl poly(ethylene glycol)

```
\mathsf{HC} {\equiv} \mathsf{C} {-} \mathsf{H}_2 \mathsf{C} {-} \mathsf{O} {-} (\mathsf{C} \mathsf{H}_2 \mathsf{C} \mathsf{H}_2 \mathsf{O})_n {-} \mathsf{C} \mathsf{H}_2 {-} \mathsf{C} {\equiv} \mathsf{C} \mathsf{H}
```

Catalog #	Name and MW		Price	
HOP0401	Alkyne-PEG-Alkyne, 2K	\$150/1g	\$600/5g	\$960/10g
HOP0402	Alkyne-PEG-Alkyne, 3.5K	\$150/1g	\$600/5g	\$960/10g
HOP0403	Alkyne-PEG-Alkyne, 5K	\$150/1g	\$600/5g	\$960/10g
HOP0404	Alkyne-PEG-Alkyne, 10K	\$150/1g	\$600/5g	\$960/10g
HOP0405	Alkyne-PEG-Alkyne, 20K	\$150/1g	\$600/5g	\$960/10g
HOP0406	Alkyne-PEG-Alkyne, 40K	\$150/1g	\$600/5g	\$960/10g

α,ω-Dimercapto poly(ethylene glycol)

$\mathsf{HS-}(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_{\mathsf{n}}\!-\!\mathsf{CH}_2\mathsf{CH}_2\!-\!\mathsf{SH}$

Catalog #	Name and MW	Price		
HOP0501	HS-PEG-SH, 2K	\$180/1g	\$650/5g	\$960/10g
HOP0502	HS-PEG-SH, 3.5K	\$180/1g	\$650/5g	\$960/10g
НОР0503	HS-PEG-SH, 5K	\$180/1g	\$650/5g	\$960/10g
HOP0504	HS-PEG-SH, 10K	\$180/1g	\$650/5g	\$960/10g

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HOP0505	HS-PEG-SH, 20K	\$180/1g	\$650/5g	\$960/10g
HOP0506	HS-PEG-SH, 40K	\$180/1g	\$650/5g	\$960/10g

α,ω-Dimaleimidyl poly(ethylene glycol)

Catalog #	Name and MW		Price	
HOP0601	MAL-PEG-MAL, 2K	\$180/1g	\$720/5g	\$1,200/10g
HOP0602	MAL-PEG-MAL, 3.5K	\$180/1g	\$720/5g	\$1,200/10g
HOP0603	MAL-PEG-MAL, 5K	\$180/1g	\$720/5g	\$1,200/10g
HOP0604	MAL-PEG-MAL, 10K	\$180/1g	\$720/5g	\$1,200/10g
HOP0605	MAL-PEG-MAL, 20K	\$180/1g	\$720/5g	\$1,200/10g
HOP0606	MAL-PEG-MAL, 40K	\$180/1g	\$720/5g	\$1,200/10g

α,ω-Diacryloyl poly(ethylene glycol)

$$\begin{array}{c} \underset{H_2}{\overset{O}{\overset{}_{\amalg}}} C = \underset{H}{\overset{O}{\overset{}_{\amalg}}} - \overset{O}{\overset{}_{\amalg}} - \overset{O}{\overset{}_{\sqcup}} - \overset{O}{\overset{}_{\bullet}} - \overset{O}{\overset{}_{\sqcup}} - \overset{O}{\overset{}_{\bullet}} - \overset{O}{\overset{}_{\bullet}} - \overset{O}{\overset{}_{\bullet}} - \overset{O}{\overset{}_{\bullet}} - \overset{O}{\overset{}_{\bullet}} - \overset{O}{\overset{}_{\bullet}} - \overset{O}{\overset{}_{\bullet} - \overset{O}{\overset{}_{\bullet}} - \overset{O}{\overset{}_{\bullet}} - \overset{O}{\overset{}_{\bullet} - \overset{O}{\overset{}_{\bullet}} - \overset{O}{\overset{}_{\bullet} - \overset{O}{\overset{}_{\bullet}} - \overset{O}{\overset{}_{\bullet} - \overset{O}{$$

Catalog #	Name and MW	Price		
HOP0701	AC-PEG-AC, 2K	\$100/1g	\$400/5g	\$640/10g
HOP0702	AC-PEG-AC, 3.5K	\$100/1g	\$400/5g	\$640/10g
HOP0703	AC-PEG-AC, 5K	\$100/1g	\$400/5g	\$640/10g
HOP0704	AC-PEG-AC, 10K	\$100/1g	\$400/5g	\$640/10g

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HOP0705	AC-PEG-AC, 20K	\$100/1g	\$400/5g	\$640/10g
HOP0706	AC-PEG-AC, 40K	\$100/1g	\$400/5g	\$640/10g

α,ω-Dimethacryloyl poly(ethylene glycol)

$$\begin{array}{c} O\\ H_2C = C - \overset{O}{C} - O - (CH_2CH_2O)_n - \overset{O}{C} - C = CH_2\\ \overset{I}{C}H_3 & \overset{I}{C}H_3 \end{array}$$

Catalog #	Name and MW		Price	
HOP1201	MA-PEG-MA, 2K	\$200/1g	\$800/5g	\$1,200/10g
HOP1202	MA-PEG-MA, 3.5K	\$200/1g	\$800/5g	\$1,200/10g
HOP1203	MA-PEG-MA, 5K	\$200/1g	\$800/5g	\$1,200/10g
HOP1204	MA-PEG-MA, 10K	\$200/1g	\$800/5g	\$1,200/10g
HOP1205	MA-PEG-MA, 20K	\$200/1g	\$800/5g	\$1,200/10g
HOP1206	MA-PEG-MA, 40K	\$200/1g	\$800/5g	\$1,200/10g

α,ω-Diformyl poly(ethylene glycol)

$OHC-(CH_2CH_2O)_n-CH_2CH_2-CHO$

Catalog #	Name and MW		Price	
HOP0801	OHC-PEG-CHO, 2K	\$200/1g	\$800/5g	\$1,200/10g
HOP0802	OHC-PEG-CHO, 3.5K	\$200/1g	\$800/5g	\$1,200/10g
HOP0803	OHC-PEG-CHO, 5K	\$200/1g	\$800/5g	\$1,200/10g
HOP0804	OHC-PEG-CHO, 10K	\$200/1g	\$800/5g	\$1,200/10g
HOP0805	OHC-PEG-CHO, 20K	\$200/1g	\$800/5g	\$1,200/10g

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	HOP0806	OHC-PEG-CHO, 40K	\$200/1g	\$800/5g	\$1,200/10g
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α,ω-Diazido poly(ethylene glycol)

 $N_3 - (CH_2CH_2O)_n - CH_2CH_2 - N_3$

Catalog #	Name and MW		Price	
HOP0901	N ₃ -PEG-N ₃ , 2K	\$200/1g	\$800/5g	\$1,200/10g
HOP0902	N ₃ -PEG-N ₃ , 3.5K	\$200/1g	\$800/5g	\$1,200/10g
HOP0903	N ₃ -PEG-N ₃ , 5K	\$200/1g	\$800/5g	\$1,200/10g
HOP0904	N ₃ -PEG-N ₃ , 10K	\$200/1g	\$800/5g	\$1,200/10g
HOP0905	N ₃ -PEG-N ₃ , 20K	\$200/1g	\$800/5g	\$1,200/10g
HOP0906	N ₃ -PEG-N ₃ , 40K	\$200/1g	\$800/5g	\$1,200/10g

α,ω-Diisocyanato poly(ethylene glycol)

 $OCN-(CH_2CH_2O)_n-CH_2CH_2-NCO$

Catalog #	Name and MW		Price	
HOP1001	OCN-PEG-NCO, 2K	\$300/1g	\$1,200/5g	\$1,900/10g
HOP1002	OCN-PEG-NCO, 3.5K	\$300/1g	\$1,200/5g	\$1,900/10g
HOP1003	OCN-PEG-NCO, 5K	\$300/1g	\$1,200/5g	\$1,900/10g
HOP1004	OCN-PEG-NCO, 10K	\$300/1g	\$1,200/5g	\$1,900/10g
HOP1005	OCN-PEG-NCO, 20K	\$300/1g	\$1,200/5g	\$1,900/10g
HOP1006	OCN-PEG-NCO, 40K	\$300/1g	\$1,200/5g	\$1,900/10g

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α,ω-Diglycidyl poly(ethylene glycol)

0	0
$H_2C - C - H_2C - O - (CH_2CH_2O)_n - CH_2 - CH_2O)_n - CH_2 - CH_2O - CH_2O$	
$\Pi_2 \cup - \bigcup - \Pi_2 \cup - \bigcup - (\cup \Pi_2 \cup \Pi_2 \cup)_n - \cup \Pi_2 -$	$-U-UH_2$
H	Н

Catalog #	Name and MW		Price	
HOP1101	EO-PEG-EO, 2K	\$200/1g	\$800/5g	\$1,200/10g
HOP1102	EO-PEG-EO, 3.5K	\$200/1g	\$800/5g	\$1,200/10g
HOP1103	EO-PEG-EO, 5K	\$200/1g	\$800/5g	\$1,200/10g
HOP1104	EO-PEG-EO, 10K	\$200/1g	\$800/5g	\$1,200/10g
HOP1105	EO-PEG-EO, 20K	\$200/1g	\$800/5g	\$1,200/10g
HOP1106	EO-PEG-EO, 40K	\$200/1g	\$800/5g	\$1,200/10g

α,ω-Disuccinimidyl poly(ethylene glycol)

Catalog #	Name and MW	Price		
HOP1301	SC-PEG-SC, 2K	\$150/1g	\$600/5g	\$960/10g
HOP1302	SC-PEG-SC, 3.5K	\$150/1g	\$600/5g	\$960/10g
HOP1303	SC-PEG-SC, 5K	\$150/1g	\$600/5g	\$960/10g
HOP1304	SC-PEG-SC, 10K	\$150/1g	\$600/5g	\$960/10g
HOP1305	SC-PEG-SC, 20K	\$150/1g	\$600/5g	\$960/10g
HOP1306	SC-PEG-SC, 40K	\$150/1g	\$600/5g	\$960/10g

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α , ω -Disuccinimidyl carboxymethyl ester

0	0
∥ o	o V
N-0-C-CH-0-(CH ₂ CH ₂ O) _n -CH ₂ -C-O-N
<i>W</i>	
0	0

Catalog #	Name and MW		Price	
HOP1401	SCM-PEG-SCM, 2K	\$200/1g	\$800/5g	\$1,200/10g
HOP1402	SCM-PEG-SCM, 3.5K	\$200/1g	\$800/5g	\$1,200/10g
HOP1403	SCM-PEG-SCM, 5K	\$200/1g	\$800/5g	\$1,200/10g
HOP1404	SCM-PEG-SCM, 10K	\$200/1g	\$800/5g	\$1,200/10g
HOP1405	SCM-PEG-SCM, 20K	\$200/1g	\$800/5g	\$1,200/10g
HOP1406	SCM-PEG-SCM, 40K	\$200/1g	\$800/5g	\$1,200/10g

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Linear Heterobifunctional PEG Derivatives

 $R_1 - (CH_2CH_2O)_n - R_2$

R ₁	R ₂
Acrylate (AC)	<u>ALK, CHO, COOH, EO, MA, MAL, N_3, NCO, OH, SC, SCM;</u>
Alkyne (ALK)	<u>AC</u> , <u>CHO</u> , <u>COOH</u> , <u>EO</u> , <u>MA</u> , <u>MAL</u> , <u>NCO</u> , <u>NH</u> ₂ , <u>SC</u> ;
Amine (NH ₂)	<u>ALK, COOH, OH, MA, MAL, SH, N_3;</u>
Azide (N ₃)	AC, NH ₂ , COOH, CHO, OH, MA, MAL, SH, SC, SCM;
Carboxyl (COOH)	AC, ALK, CHO, EO, MAL, N ₃ , NCO, NH ₂ , OH, SH;
Formyl (CHO)	\underline{AC} , \underline{ALK} , \underline{N}_3 , \underline{EO} , \underline{MA} , \underline{SC} ;
Glycidyl (EO)	<u>AC</u> , <u>ALK</u> , <u>COOH</u> , <u>CHO</u> , <u>MA</u> ;
Hydroxyl (OH)	<u>AC</u> , <u>ALK</u> , <u>CHO</u> , <u>COOH</u> , <u>MA</u> , <u>MAL</u> , <u>N₃</u> , <u>NH₂</u> , <u>SC</u> , <u>SCM</u> , <u>SPA</u> ;
Isocyanato (NCO)	<u>AC</u> , <u>ALK</u> , <u>COOH</u> , <u>MA</u> , <u>MAL</u> ;
Methacryloyl (MA)	\underline{AC} , \underline{ALK} , \underline{EO} , \underline{MAL} , \underline{NCO} , $\underline{NH_2}$, $\underline{N_3}$, \underline{OH} , \underline{SC} ;
Maleimide (MAL)	\underline{AC} , \underline{ALK} , \underline{COOH} , \underline{MA} , \underline{N}_3 , \underline{NCO} , \underline{SC} , \underline{SCM} ;
Succinimidyl (SC, SCM)	\underline{AC} , \underline{ALK} , \underline{N}_3 , \underline{CHO} , \underline{OH} , \underline{MA} , \underline{MAL} ;
Thiol (SH)	<u>NH₂, COOH, N₃;</u>

α-Amino-ω-hydroxyl poly(ethylene glycol)

 $NH_2-(CH_2CH_2O)_n-H$

Catalog #	Name and MW		Price		
HEP0101	NH ₂ -PEG-OH, 2K	\$80/100mg	\$120/500mg	\$200/1g	\$800/5g
HEP0102	NH ₂ -PEG-OH, 3.5K	\$80/100mg	\$120/500mg	\$200/1g	\$800/5g
HEP0103	NH ₂ -PEG-OH, 5K	\$80/100mg	\$120/500mg	\$200/1g	\$800/5g
HEP0104	NH ₂ -PEG-OH, 10K	\$80/100mg	\$120/500mg	\$200/1g	\$800/5g

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HEP0105	NH ₂ -PEG-OH, 20K	\$80/100mg	\$120/500mg	\$200/1g	\$800/5g
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α-Maleimidyl-ω-amino Poly(ethylene glycol)

$$\bigcup_{O}^{O} (CH_2CH_2O)_n - CH_2CH_2 - NH_2$$

Catalog #	Name and MW		Price		
HEP0201	NH ₂ -PEG-MAL, 2K	\$150/100mg	\$250/500mg	\$350/1g	\$1,350/5g
HEP0202	NH ₂ -PEG-MAL, 3.5K	\$150/100mg	\$250/500mg	\$350/1g	\$1,350/5g
HEP0203	NH ₂ -PEG-MAL, 5K	\$150/100mg	\$250/500mg	\$350/1g	\$1,350/5g
HEP0204	NH ₂ -PEG-MAL, 10K	\$150/100mg	\$250/500mg	\$350/1g	\$1,350/5g
HEP0205	NH ₂ -PEG-MAL, 20K	\$150/100mg	\$250/500mg	\$350/1g	\$1,350/5g

α-Carboxyl-ω-amino poly(ethylene glycol)

 $\mathsf{HOOC-CH}_2\mathsf{-O-(CH}_2\mathsf{CH}_2\mathsf{O})_{\mathsf{n}}\mathsf{-CH}_2\mathsf{CH}_2\mathsf{-NH}_2}$

Catalog #	Name and MW		Price		
HEP0301	NH ₂ -PEG-COOH, 2K	\$120/100mg	\$190/500mg	\$280/1g	\$1,100/5g
HEP0302	NH ₂ -PEG-COOH, 3.5K	\$120/100mg	\$190/500mg	\$280/1g	\$1,100/5g
HEP0303	NH ₂ -PEG-COOH, 5K	\$120/100mg	\$190/500mg	\$280/1g	\$1,100/5g
HEP0304	NH ₂ -PEG-COOH, 10K	\$120/100mg	\$190/500mg	\$280/1g	\$1,100/5g
HEP0305	NH ₂ -PEG-COOH, 20K	\$120/100mg	\$190/500mg	\$280/1g	\$1,100/5g

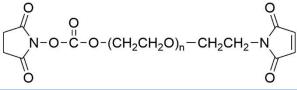
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α-Succinimidyl-ω-maleimidyl poly(ethylene glycol)



Catalog #	Name and MW		Price		
HEP0401	SC-PEG-MAL, 2K	\$250/100mg	\$350/500mg	\$450/1g	\$1,750/5g
HEP0402	SC-PEG-MAL, 3.5K	\$250/100mg	\$350/500mg	\$450/1g	\$1,750/5g
HEP0403	SC-PEG-MAL, 5K	\$250/100mg	\$350/500mg	\$450/1g	\$1,750/5g
HEP0404	SC-PEG-MAL, 10K	\$250/100mg	\$350/500mg	\$450/1g	\$1,750/5g
HEP0405	SC-PEG-MAL, 20K	\$250/100mg	\$350/500mg	\$450/1g	\$1,750/5g

α-Maleimidyl-ω-hydroxyl Poly(ethylene glycol)

Catalog #	Name and MW		Price		
HEP0501	MAL-PEG-OH, 2K	\$150/100mg	\$230/500mg	\$350/1g	\$1,300/5g
HEP0502	MAL-PEG-OH, 3.5K	\$150/100mg	\$230/500mg	\$350/1g	\$1,300/5g
HEP0503	MAL-PEG-OH, 5K	\$150/100mg	\$230/500mg	\$350/1g	\$1,300/5g
HEP0504	MAL-PEG-OH, 10K	\$150/100mg	\$230/500mg	\$350/1g	\$1,300/5g
HEP0505	MAL-PEG-OH, 20K	\$150/100mg	\$230/500mg	\$350/1g	\$1,300/5g

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α-Acryloyl-ω-succinimidyl carboxymethyl ester poly(ethylene glycol)

$$H_2C \equiv CH - \overset{O}{C} - O - (CH_2CH_2O)_n - CH_2 - \overset{O}{C} - O - N$$

Catalog #	Name and MW		Price		
HEP0601	AC-PEG-SCM, 2K	\$150/100mg	\$250/500mg	\$350/1g	\$1,400/5g
HEP0602	AC-PEG-SCM, 3.5K	\$150/100mg	\$250/500mg	\$350/1g	\$1,400/5g
HEP0603	AC-PEG-SCM, 5K	\$150/100mg	\$250/500mg	\$350/1g	\$1,400/5g
HEP0604	AC-PEG-SCM, 10K	\$150/100mg	\$250/500mg	\$350/1g	\$1,400/5g
HEP0605	AC-PEG-SCM, 20K	\$150/100mg	\$250/500mg	\$350/1g	\$1,400/5g

α-Maleimidyl-ω-Carboxyl Poly(ethylene glycol)

Catalog #	Name and MW	Price				
HEP0701	MAL-PEG-COOH, 2K	\$150/100mg	\$250/500mg	\$350/1g	\$1,400/5g	
HEP0702	MAL-PEG-COOH, 3.5K	\$150/100mg	\$250/500mg	\$350/1g	\$1,400/5g	
HEP0703	MAL-PEG-COOH, 5K	\$150/100mg	\$250/500mg	\$350/1g	\$1,400/5g	
HEP0704	MAL-PEG-COOH, 10K	\$150/100mg	\$250/500mg	\$350/1g	\$1,400/5g	
HEP0705	MAL-PEG-COOH, 20K	\$150/100mg	\$250/500mg	\$350/1g	\$1,400/5g	



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α-Acryloyl-ω-hydroxyl poly(ethylene glycol)

$$H_2C=CH-C-O-(CH_2CH_2O)_n-H$$

Catalog #	Name and MW	Price				
HEP0801	AC-PEG-OH, 2K	\$150/100mg	\$250/500mg	\$350/1g	\$1,200/5g	
HEP0802	AC-PEG-OH, 3.5K	\$150/100mg	\$250/500mg	\$350/1g	\$1,200/5g	
HEP0803	AC-PEG-OH, 5K	\$150/100mg	\$250/500mg	\$350/1g	\$1,200/5g	
HEP0804	AC-PEG-OH, 10K	\$150/100mg	\$250/500mg	\$350/1g	\$1,400/5g	
HEP0805	AC-PEG-OH, 20K	\$150/100mg	\$250/500mg	\$350/1g	\$1,400/5g	

α-Methacryloyl-ω-hydroxy poly(ethylene glycol)

$$H_2C = C - C - (CH_2CH_2O)_n - H$$

Catalog #	Name and MW	Price				
HEP0901	MA-PEG-OH, 2K	\$180/100mg	\$300/500mg	\$450/1g	\$1,400/5g	
HEP0902	MA-PEG-OH, 3.5K	\$180/100mg	\$300/500mg	\$450/1g	\$1,400/5g	
HEP0903	MA-PEG-OH, 5K	\$180/100mg	\$300/500mg	\$450/1g	\$1,400/5g	
HEP0904	MA-PEG-OH, 10K	\$200/100mg	\$350/500mg	\$480/1g	\$1,800/5g	
HEP0905	MA-PEG-OH, 20K	\$200/100mg	\$350/500mg	\$480/1g	\$1,800/5g	

α-Alkyny-ω-hydroxy poly(ethylene glycol)

$\mathsf{HC} {\equiv} \mathsf{C} {-} \mathsf{CH}_2 {-} \mathsf{O} {-} (\mathsf{CH}_2 \mathsf{CH}_2 \mathsf{O})_{\mathsf{n}} {-} \mathsf{H}$

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Catalog #	Name and MW		Price		
HEP1001	Alkyne-PEG-OH, 2K	\$150/100mg	\$250/500mg	\$400/1g	\$1,500/5g
HEP1002	Alkyne-PEG-OH, 3.5K	\$150/100mg	\$250/500mg	\$400/1g	\$1,500/5g
HEP1003	Alkyne-PEG-OH, 5K	\$150/100mg	\$250/500mg	\$400/1g	\$1,500/5g
HEP1004	Alkyne-PEG-OH, 10K	\$180/100mg	\$280/500mg	\$450/1g	\$1,800/5g
HEP1005	Alkyne-PEG-OH, 20K	\$180/100mg	\$280/500mg	\$450/1g	\$1,800/5g

α-Formyl-ω-hydroxyl poly(ethylene glycol)

 $\mathsf{OHC}{-}\mathsf{O}{-}(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_{\mathsf{n}}{-}\mathsf{H}$

Catalog #	Name and MW		Price		
HEP1101	OHC-PEG-OH, 2K	\$200/100mg	\$350/500mg	\$600/1g	\$1,800/5g
HEP1102	OHC-PEG-OH, 3.5K	\$200/100mg	\$350/500mg	\$600/1g	\$1,800/5g
HEP1103	OHC-PEG-OH, 5K	\$200/100mg	\$350/500mg	\$600/1g	\$1,800/5g
HEP1104	OHC-PEG-OH, 10K	\$200/100mg	\$350/500mg	\$600/1g	\$1,800/5g
HEP1105	OHC-PEG-OH, 20K	\$200/100mg	\$350/500mg	\$600/1g	\$1,800/5g

α-Carboxyl-ω-hydroxyl poly(ethylene glycol)

 $\mathsf{HOOC}_-\mathsf{CH}_2-\mathsf{O}_-(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_{\mathsf{n}}-\mathsf{H}$

Catalog #	Name and MW	Price				
HEP1201	HOOC-PEG-OH, 2K	\$120/100mg	\$190/500mg	\$200/1g	\$750/5g	

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HEP1202	HOOC-PEG-OH, 3.5K	\$120/100mg	\$190/500mg	\$200/1g	\$750/5g
HEP1203	HOOC-PEG-OH, 5K	\$120/100mg	\$190/500mg	\$200/1g	\$750/5g
HEP1204	HOOC-PEG-OH, 10K	\$120/100mg	\$190/500mg	\$200/1g	\$800/5g
HEP1205	HOOC-PEG-OH, 20K	\$120/100mg	\$190/500mg	\$200/1g	\$800/5g

α-succinimidyl carboxymethyl ester-ω-hydroxyl poly(ethylene glycol)

Catalog #	Name and MW	Price				
HEP1301	SCM-PEG-OH, 2K	\$150/100mg	\$180/500mg	\$280/1g	\$1,000/5g	
HEP1302	SCM-PEG-OH, 3.5K	\$150/100mg	\$180/500mg	\$280/1g	\$1,000/5g	
HEP1303	SCM-PEG-OH, 5K	\$150/100mg	\$180/500mg	\$280/1g	\$1,000/5g	
HEP1304	SCM-PEG-OH, 10K	\$150/100mg	\$180/500mg	\$280/1g	\$1,000/5g	
HEP1305	SCM-PEG-OH, 20K	\$150/100mg	\$180/500mg	\$280/1g	\$1,000/5g	

α-Azido-ω-hydroxyl poly(ethylene glycol)

 N_3 -(CH₂CH₂O)_n-H

Catalog #	Name and MW	Price				
HEP1401	N ₃ -PEG-OH, 2K	\$150/100mg	\$250/500mg	\$400/1g	\$1,400/5g	
HEP1402	N ₃ -PEG-OH, 3.5K	\$150/100mg	\$250/500mg	\$400/1g	\$1,400/5g	
HEP1403	N ₃ -PEG-OH, 5K	\$150/100mg	\$250/500mg	\$400/1g	\$1,400/5g	

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HEP1404	N ₃ -PEG-OH, 10K	\$150/100mg	\$250/500mg	\$400/1g	\$1,400/5g
HEP1405	N ₃ -PEG-OH, 20K	\$150/100mg	\$250/500mg	\$400/1g	\$1,400/5g

α-Succinimidyl-ω-hydroxyl poly(ethylene glycol)

$$\bigcup_{\substack{\mathsf{H}\\\mathsf{O}}}^{\mathsf{O}} \sum_{\substack{\mathsf{H}\\\mathsf{O}}}^{\mathsf{O}} (\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_{\mathsf{n}} - \mathsf{H}$$

Catalog #	Name and MW	Price				
HEP1501	SC-PEG-OH, 2K	\$150/100mg	\$180/500mg	\$280/1g	\$1,100/5g	
HEP1502	SC-PEG-OH, 3.5K	\$150/100mg	\$180/500mg	\$280/1g	\$1,100/5g	
HEP1503	SC-PEG-OH, 5K	\$150/100mg	\$180/500mg	\$280/1g	\$1,100/5g	
HEP1504	SC-PEG-OH, 10K	\$150/100mg	\$200/500mg	\$300/1g	\$1,200/5g	
HEP1505	SC-PEG-OH, 20K	\$150/100mg	\$200/500mg	\$300/1g	\$1,200/5g	

α-Succinimidyl-ω-hydroxyl poly(ethylene glycol)

Catalog #	Name and MW	Price			
HEP1601	SPA-PEG-OH, 2K	\$150/100mg	\$250/500mg	\$400/1g	\$1,100/5g
HEP1602	SPA-PEG-OH, 3.5K	\$150/100mg	\$250/500mg	\$400/1g	\$1,100/5g
HEP1603	SPA-PEG-OH, 5K	\$150/100mg	\$250/500mg	\$400/1g	\$1,100/5g
HEP1604	SPA-PEG-OH, 10K	\$150/100mg	\$300/500mg	\$450/1g	\$1,200/5g

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HEP1605	SPA-PEG-OH, 20K	\$150/100mg	\$300/500mg	\$450/1g	\$1,200/5g
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α-Acryloyl-ω-carboxyl poly(ethylene glycol)

$$H_2C \equiv CH - C - O - (CH_2CH_2O)_n - CH_2 - COOH$$

Catalog #	Name and MW		Price		
HEP1701	AC-PEG-COOH, 2K	\$200/100mg	\$380/500mg	\$600/1g	\$1,600/5g
HEP1702	AC-PEG-COOH, 3.5K	\$200/100mg	\$380/500mg	\$600/1g	\$1,600/5g
HEP1703	AC-PEG-COOH, 5K	\$200/100mg	\$380/500mg	\$600/1g	\$1,600/5g
HEP1704	AC-PEG-COOH, 10K	\$200/100mg	\$380/500mg	\$600/1g	\$1,600/5g
HEP1705	AC-PEG-COOH, 20K	\$200/100mg	\$380/500mg	\$600/1g	\$1,600/5g

 $\begin{array}{c} \alpha \text{-Acryloyl-}\omega \text{-formyl poly(ethylene glycol)} \\ & \bigcap_{H_2C \equiv CH - \overset{\cup}{C} - O - (CH_2CH_2O)_n - CH_2CH_2 - CHO} \end{array}$

Catalog #	Name and MW		Price		
HEP1801	AC-PEG-CHO, 2K	\$300/100mg	\$500/500mg	\$800/1g	\$2,200/5g
HEP1802	AC-PEG-CHO, 3.5K	\$300/100mg	\$500/500mg	\$800/1g	\$2,200/5g
HEP1803	AC-PEG-CHO, 5K	\$300/100mg	\$500/500mg	\$800/1g	\$2,200/5g
HEP1804	AC-PEG-CHO, 10K	\$300/100mg	\$500/500mg	\$800/1g	\$2,200/5g
HEP1805	AC-PEG-CHO, 20K	\$300/100mg	\$500/500mg	\$800/1g	\$2,200/5g

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$\begin{array}{c} \alpha \text{-Acryloyl-}\omega \text{-isocyanato poly(ethylene glycol)} \\ & \bigcap_{H_2C=CH-C-O-(CH_2CH_2O)_n-CH_2CH_2-NCO}^{O} \end{array}$

Catalog #	Name and MW		Price		
HEP1901	AC-PEG-NCO, 2K	\$300/100mg	\$500/500mg	\$800/1g	\$2,200/5g
HEP1902	AC-PEG-NCO, 3.5K	\$300/100mg	\$500/500mg	\$800/1g	\$2,200/5g
HEP1903	AC-PEG-NCO, 5K	\$300/100mg	\$500/500mg	\$800/1g	\$2,200/5g
HEP1904	AC-PEG-NCO, 10K	\$300/100mg	\$500/500mg	\$800/1g	\$2,200/5g
HEP1905	AC-PEG-NCO, 20K	\$300/100mg	\$500/500mg	\$800/1g	\$2,200/5g

α-Acryloyl-ω-azido poly(ethylene glycol)

$$\overset{\mathsf{O}}{\overset{\mathsf{H}_2\mathsf{C}}=\mathsf{CH}-\overset{\mathsf{O}}{\mathsf{C}}-\mathsf{O}-(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_{\mathsf{n}}-\mathsf{CH}_2\mathsf{CH}_2-\mathsf{N}_3}$$

Catalog #	Name and MW		Price		
HEP2001	AC-PEG-N ₃ , 2K	\$300/100mg	\$500/500mg	\$800/1g	\$2,200/5g
HEP2002	AC-PEG-N ₃ , 3.5K	\$300/100mg	\$500/500mg	\$800/1g	\$2,200/5g
HEP2003	AC-PEG-N ₃ , 5K	\$300/100mg	\$500/500mg	\$800/1g	\$2,200/5g
HEP2004	AC-PEG-N ₃ , 10K	\$300/100mg	\$500/500mg	\$800/1g	\$2,200/5g
HEP2005	AC-PEG-N ₃ , 20K	\$300/100mg	\$500/500mg	\$800/1g	\$2,200/5g

α-Acryloyl-ω-alkynyl poly(ethylene glycol)

$$\begin{array}{c} O\\ H_2C \equiv CH - \overset{\scriptstyle \text{\tiny II}}{C} - O - (CH_2CH_2O)_n - CH_2 - C \equiv CH \end{array}$$

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Catalog #	Name and MW		Price		
HEP2101	AC-PEG-Alkyne, 2K	\$200/100mg	\$400/500mg	\$600/1g	\$1,800/5g
HEP2102	AC-PEG-Alkyne, 3.5K	\$200/100mg	\$400/500mg	\$600/1g	\$1,800/5g
HEP2103	AC-PEG-Alkyne, 5K	\$200/100mg	\$400/500mg	\$600/1g	\$1,800/5g
HEP2104	AC-PEG-Alkyne, 10K	\$200/100mg	\$400/500mg	\$600/1g	\$1,800/5g
HEP2105	AC-PEG-Alkyne, 20K	\$200/100mg	\$400/500mg	\$600/1g	\$1,800/5g

 $\alpha \textbf{-Acryloyl-} \omega \textbf{-glycidyl poly(ethylene glycol)}$

$$H_2C \equiv CH - C - O - (CH_2CH_2O)_n - CH_2 - CH - CH_2$$

Catalog #	Name and MW		Price		
HEP2201	AC-PEG-EO, 2K	\$200/100mg	\$400/500mg	\$600/1g	\$1,800/5g
HEP2202	AC-PEG-EO, 3.5K	\$200/100mg	\$400/500mg	\$600/1g	\$1,800/5g
HEP2203	AC-PEG-EO, 5K	\$200/100mg	\$400/500mg	\$600/1g	\$1,800/5g
HEP2204	AC-PEG-EO, 10K	\$200/100mg	\$400/500mg	\$600/1g	\$1,800/5g
HEP2205	AC-PEG-EO, 20K	\$200/100mg	\$400/500mg	\$600/1g	\$1,800/5g

α-Acryloyl-ω-methacryloyl poly(ethylene glycol)

$$\begin{array}{c} O\\ H_2C \equiv CH - \overset{O}{C} - O - (CH_2CH_2O)_n - \overset{O}{\overset{H}{C}} - \overset{O}{\underset{H_2}{C}} = CH_2\\ CH_3\end{array}$$

Catalog #	Name and MW		Price		
HEP2301	AC-PEG-MA, 2K	\$200/100mg	\$380/500mg	\$500/1g	\$1,500/5g
HEP2302	AC-PEG-MA, 3.5K	\$200/100mg	\$380/500mg	\$500/1g	\$1,500/5g

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HEP2303	AC-PEG-MA, 5K	\$200/100mg	\$380/500mg	\$500/1g	\$1,500/5g
HEP2304	AC-PEG-MA, 10K	\$200/100mg	\$380/500mg	\$500/1g	\$1,500/5g
HEP2305	AC-PEG-MA, 20K	\$200/100mg	\$380/500mg	\$500/1g	\$1,500/5g

α-Acryloyl-ω-succinimidyl poly(ethylene glycol)

$$H_2C \equiv CH - C - O - (CH_2CH_2O)_n - C - O - N$$

Catalog #	Name and MW	Price				
HEP2401	AC-PEG-SC, 2K	\$100/100mg	\$190/500mg	\$300/1g	\$1,100/5g	
HEP2402	AC-PEG-SC, 3.5K	\$100/100mg	\$190/500mg	\$300/1g	\$1,100/5g	
HEP2403	AC-PEG-SC, 5K	\$120/100mg	\$190/500mg	\$300/1g	\$1,100/5g	
HEP2404	AC-PEG-SC, 10K	\$120/100mg	\$190/500mg	\$300/1g	\$1,100/5g	
HEP2405	AC-PEG-SC, 20K	\$120/100mg	\$190/500mg	\$300/1g	\$1,100/5g	

α-Acryloyl-ω-maleinidyl poly(ethylene glycol)

$$H_2C \equiv CH - \overset{\cup}{C} - O - (CH_2CH_2O)_n - CH_2CH_2 - N$$

Catalog #	Name and MW	Price			
HEP2501	AC-PEG-MAL, 2K	\$200/100mg	\$380/500mg	\$500/1g	\$1,500/5g
HEP2502	AC-PEG-MAL, 3.5K	\$200/100mg	\$380/500mg	\$500/1g	\$1,500/5g
HEP2503	AC-PEG-MAL, 5K	\$200/100mg	\$380/500mg	\$500/1g	\$1,500/5g

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HEP2504	AC-PEG-MAL, 10K	\$200/100mg	\$380/500mg	\$500/1g	\$1,500/5g
HEP2505	AC-PEG-MAL, 20K	\$200/100mg	\$380/500mg	\$500/1g	\$1,500/5g

α-Alkynyl-ω-carboxyl poly(ethylene glycol)

 $HC \equiv C - CH_2 - O - (CH_2CH_2O)_n - CH_2 - COOH$

Catalog #	Name and MW		Price		
HEP2601	Alkyne-PEG-COOH, 2K	\$250/100mg	\$400/500mg	\$600/1g	\$1,500/5g
HEP2602	Alkyne-PEG-COOH, 3.5K	\$250/100mg	\$400/500mg	\$600/1g	\$1,500/5g
HEP2603	Alkyne-PEG-COOH, 5K	\$250/100mg	\$400/500mg	\$600/1g	\$1,500/5g
HEP2604	Alkyne-PEG-COOH, 10K	\$250/100mg	\$400/500mg	\$600/1g	\$1,500/5g
HEP2605	Alkyne-PEG-COOH, 20K	\$250/100mg	\$400/500mg	\$600/1g	\$1,500/5g

α-Alkynyl-ω-amino poly(ethylene glycol)

 $\mathsf{HC}{\equiv}\mathsf{C}{-}\mathsf{CH}_2{-}\mathsf{O}{-}(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_{\mathsf{n}}{-}\mathsf{CH}_2\mathsf{CH}_2{-}\mathsf{NH}_2$

Catalog #	Name and MW	Price				
HEP2701	Alkyne-PEG-NH ₂ , 2K	\$250/100mg	\$400/500mg	\$600/1g	\$1,800/5g	
HEP2702	Alkyne-PEG-NH ₂ , 3.5K	\$250/100mg	\$400/500mg	\$600/1g	\$1,800/5g	
HEP2703	Alkyne-PEG-NH ₂ , 5K	\$250/100mg	\$400/500mg	\$600/1g	\$1,800/5g	
HEP2704	Alkyne-PEG-NH ₂ , 10K	\$250/100mg	\$400/500mg	\$600/1g	\$1,800/5g	
HEP2705	Alkyne-PEG-NH ₂ , 20K	\$250/100mg	\$400/500mg	\$600/1g	\$1,800/5g	

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α-Alkynyl-ω-formyl poly(ethylene glycol)

 $\mathsf{HC} \equiv \mathsf{C} - \mathsf{CH}_2 - \mathsf{O} - (\mathsf{CH}_2 \mathsf{CH}_2 \mathsf{O})_{\mathsf{n}} - \mathsf{CH}_2 \mathsf{CH}_2 - \mathsf{CHO}$

Catalog #	Name and MW		Price		
HEP2801	Alkyne-PEG-CHO, 2K	\$250/100mg	\$450/500mg	\$750/1g	\$1,850/5g
HEP2802	Alkyne-PEG-CHO, 3.5K	\$250/100mg	\$450/500mg	\$750/1g	\$1,850/5g
HEP2803	Alkyne-PEG-CHO, 5K	\$250/100mg	\$450/500mg	\$750/1g	\$1,850/5g
HEP2804	Alkyne-PEG-CHO, 10K	\$250/100mg	\$450/500mg	\$750/1g	\$1,850/5g
HEP2805	Alkyne-PEG-CHO, 20K	\$250/100mg	\$450/500mg	\$750/1g	\$1,850/5g

α-Alkynyl-ω-isocyanato poly(ethylene glycol)

$$\mathsf{HC}{\equiv}\mathsf{C}{-}\mathsf{CH}_2{-}\mathsf{O}{-}(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_n{-}\mathsf{CH}_2\mathsf{CH}_2{-}\mathsf{NCO}$$

Catalog #	Name and MW	Price				
HEP2901	Alkyne-PEG-NCO, 2K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g	
HEP2902	Alkyne-PEG-NCO, 3.5K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g	
HEP2903	Alkyne-PEG-NCO, 5K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g	
HEP2904	Alkyne-PEG-NCO, 10K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g	
HEP2905	Alkyne-PEG-NCO, 20K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g	

α-Alkynyl-ω-glycidyl poly(ethylene glycol)

 $HC \equiv C - CH_2 - O - (CH_2CH_2O)_n - CH_2 - CH - CH_2$

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Catalog #	Name and MW		Price		
HEP3001	Alkyne-PEG-EO, 2K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g
HEP3002	Alkyne-PEG-EO, 3.5K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g
HEP3003	Alkyne-PEG-EO, 5K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g
HEP3004	Alkyne-PEG-EO, 10K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g
HEP3005	Alkyne-PEG-EO, 20K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g

α-Alkynyl-ω-methacryaloyl poly(ethylene glycol)

$$HC \equiv C - CH_2 - O - (CH_2CH_2O)_n - \overset{O}{\overset{\parallel}{C}} - \overset{O}{\overset{\leftarrow}{C}} = CH_2$$

Catalog #	Name and MW	Price				
HEP3101	Alkyne-PEG-MA, 2K	\$250/100mg	\$400/500mg	\$600/1g	\$1,500/5g	
HEP3102	Alkyne-PEG-MA, 3.5K	\$250/100mg	\$400/500mg	\$600/1g	\$1,500/5g	
HEP3103	Alkyne-PEG-MA, 5K	\$250/100mg	\$400/500mg	\$600/1g	\$1,500/5g	
HEP3104	Alkyne-PEG-MA, 10K	\$250/100mg	\$400/500mg	\$600/1g	\$1,800/5g	
HEP3105	Alkyne-PEG-MA, 20K	\$250/100mg	\$400/500mg	\$600/1g	\$1,800/5g	

α-Alkynyl-ω-succinimidyl poly(ethylene glycol)

$$HC \equiv C - CH_2 - O - (CH_2CH_2O)_n - \overset{O}{\overset{\cup}{\leftarrow}} - O - N$$

Catalog #	Name and MW	Price			
HEP3201	Alkyne-PEG-SC, 2K	\$250/100mg	\$350/500mg	\$500/1g	\$1,500/5g

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HEP3202	Alkyne-PEG-SC, 3.5K	\$250/100mg	\$350/500mg	\$500/1g	\$1,500/5g
HEP3203	Alkyne-PEG-SC, 5K	\$250/100mg	\$350/500mg	\$500/1g	\$1,500/5g
HEP3204	Alkyne-PEG-SC, 10K	\$250/100mg	\$350/500mg	\$500/1g	\$1,500/5g
HEP3205	Alkyne-PEG-SC, 20K	\$250/100mg	\$350/500mg	\$500/1g	\$1,500/5g

α-Alkynyl-ω-maleimidyl poly(ethylene glycol)

$$HC \equiv C - CH_2 - O - (CH_2CH_2O)_n - CH_2CH_2 - N$$

Catalog #	Name and MW	Price				
HEP3301	Alkyne-PEG-MAL, 2K	\$250/100mg	\$380/500mg	\$500/1g	\$1,500/5g	
HEP3302	Alkyne-PEG-MAL, 3.5K	\$250/100mg	\$380/500mg	\$500/1g	\$1,500/5g	
HEP3303	Alkyne-PEG-MAL, 5K	\$250/100mg	\$380/500mg	\$500/1g	\$1,500/5g	
HEP3304	Alkyne-PEG-MAL, 10K	\$250/100mg	\$380/500mg	\$500/1g	\$1,500/5g	
HEP3305	Alkyne-PEG-MAL, 20K	\$250/100mg	\$380/500mg	\$500/1g	\$1,500/5g	

α-Formyl-ω-carboxyl poly(ethylene glycol)

$\mathsf{OHC}-(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_n-\mathsf{CH}_2-\mathsf{COOH}$

Catalog #	Name and MW Price				
HEP3401	OHC-PEG-COOH, 2K	\$250/100mg	\$380/500mg	\$600/1g	\$1,800/5g
HEP3402	OHC-PEG-COOH, 3.5K	\$250/100mg	\$380/500mg	\$600/1g	\$1,800/5g
HEP3403	OHC-PEG-COOH, 5K	\$250/100mg	\$380/500mg	\$600/1g	\$1,800/5g

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HEP3404	OHC-PEG-COOH, 10K	\$250/100mg	\$400/500mg	\$600/1g	\$1,800/5g
HEP3405	OHC-PEG-COOH, 20K	\$250/100mg	\$400/500mg	\$600/1g	\$1,800/5g

α-Formyl-ω-azido poly(ethylene glycol)

$OHC - (CH_2CH_2O)_n - CH_2CH_2 - N_3$

Catalog #	Name and MW	Price				
HEP3501	OHC-PEG-N ₃ , 2K	\$250/100mg	\$500/500mg	\$700/1g	\$2,200/5g	
HEP3502	OHC-PEG-N ₃ , 3.5K	\$250/100mg	\$500/500mg	\$700/1g	\$2,200/5g	
HEP3503	OHC-PEG-N ₃ , 5K	\$250/100mg	\$500/500mg	\$700/1g	\$2,200/5g	
HEP3504	OHC-PEG-N ₃ , 10K	\$250/100mg	\$500/500mg	\$700/1g	\$2,200/5g	
HEP3505	OHC-PEG-N ₃ , 20K	\$250/100mg	\$500/500mg	\$700/1g	\$2,200/5g	

α-Formyl-ω-glycidyl poly(ethylene glycol)

$$OHC - (CH_2CH_2O)_n - CH_2 - CH - CH_2$$

Catalog #	Name and MW	Price				
HEP3601	OHC-PEG-EO, 2K	\$250/100mg	\$450/500mg	\$600/1g	\$1,600/5g	
HEP3602	OHC-PEG-EO, 3.5K	\$250/100mg	\$450/500mg	\$600/1g	\$1,600/5g	
HEP3603	OHC-PEG-EO, 5K	\$250/100mg	\$450/500mg	\$600/1g	\$1,600/5g	
HEP3604	OHC-PEG-EO, 10K	\$250/100mg	\$450/500mg	\$600/1g	\$1,600/5g	
HEP3605	OHC-PEG-EO, 20K	\$250/100mg	\$450/500mg	\$600/1g	\$1,600/5g	

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α-Formyl-ω-methacryloyl poly(ethylene glycol)

Catalog #	Name and MW		Price		
HEP3701	OHC-PEG-MA, 2K	\$250/100mg	\$400/500mg	\$700/1g	\$1,700/5g
HEP3702	OHC-PEG-MA, 3.5K	\$250/100mg	\$400/500mg	\$700/1g	\$1,700/5g
HEP3703	OHC-PEG-MA, 5K	\$250/100mg	\$400/500mg	\$700/1g	\$1,700/5g
HEP3704	OHC-PEG-MA, 10K	\$250/100mg	\$400/500mg	\$700/1g	\$1,700/5g
HEP3705	OHC-PEG-MA, 20K	\$250/100mg	\$400/500mg	\$700/1g	\$1,700/5g

α-Formyl-ω-succinimidyl poly(ethylene glycol)

Catalog #	Name and MW	Price				
HEP3801	OHC-PEG-SC, 2K	\$150/100mg	\$250/500mg	\$400/1g	\$1,600/5g	
HEP3802	OHC-PEG-SC, 3.5K	\$150/100mg	\$250/500mg	\$400/1g	\$1,600/5g	
HEP3803	OHC-PEG-SC, 5K	\$150/100mg	\$250/500mg	\$400/1g	\$1,600/5g	
HEP3804	OHC-PEG-SC, 10K	\$150/100mg	\$250/500mg	\$400/1g	\$1,600/5g	
HEP3805	OHC-PEG-SC, 20K	\$150/100mg	\$250/500mg	\$400/1g	\$1,600/5g	



α-Carboxyl-ω-mercapto poly(ethylene glycol)

$\mathsf{HOOC}\text{-}\mathsf{CH}_2\text{-}\mathsf{O}\text{-}(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_{\mathsf{n}}\text{-}\mathsf{CH}_2\mathsf{CH}_2\text{-}\mathsf{SH}$

Catalog #	Name and MW	Price				
HEP3901	HOOC-PEG-SH, 2K	\$150/100mg	\$250/500mg	\$400/1g	\$1,600/5g	
HEP3902	HOOC-PEG-SH, 3.5K	\$150/100mg	\$250/500mg	\$400/1g	\$1,600/5g	
HEP3903	HOOC-PEG-SH, 5K	\$150/100mg	\$250/500mg	\$400/1g	\$1,600/5g	
HEP3904	HOOC-PEG-SH, 10K	\$150/100mg	\$250/500mg	\$400/1g	\$1,600/5g	
HEP3905	HOOC-PEG-SH, 20K	\$150/100mg	\$250/500mg	\$400/1g	\$1,600/5g	

α-Carboxyl-ω-isocyanato poly(ethylene glycol)

 $\mathsf{HOOC-CH}_2-\mathsf{O-(CH}_2\mathsf{CH}_2\mathsf{O})_{\mathsf{n}}-\mathsf{CH}_2\mathsf{CH}_2-\mathsf{NCO}$

Catalog #	Name and MW	Price				
HEP4001	HOOC-PEG-NCO, 2K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g	
HEP4002	HOOC-PEG-NCO, 3.5K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g	
HEP4003	HOOC-PEG-NCO, 5K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g	
HEP4004	HOOC-PEG-NCO, 10K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g	
HEP4005	HOOC-PEG-NCO, 20K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g	



α-Carboxyl-ω-azido poly(ethylene glycol)

$\mathsf{HOOC}\text{-}\mathsf{CH}_2\text{-}\mathsf{O}\text{-}(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_n\text{-}\mathsf{CH}_2\mathsf{CH}_2\text{-}\mathsf{N}_3$

Catalog #	Name and MW	Price				
HEP4101	HOOC-PEG-N ₃ , 2K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g	
HEP4102	HOOC-PEG-N ₃ , 3.5K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g	
HEP4103	HOOC-PEG-N ₃ , 5K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g	
HEP4104	HOOC-PEG-N ₃ , 10K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g	
HEP4105	HOOC-PEG-N ₃ , 20K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g	

α-Carboxyl-ω-glycidyl poly(ethylene glycol)

$$\overset{\mathsf{O}}{\overset{\mathsf{HOOC-CH}_2-\mathsf{O}-(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_n-\mathsf{CH}_2-\mathsf{CH}-\mathsf{CH}_2}}$$

Catalog #	Name and MW	Price					
HEP4201	HOOC-PEG-EO, 2K	\$250/100mg	\$400/500mg	\$600/1g	\$1,500/5g		
HEP4202	HOOC-PEG-EO, 3.5K	\$250/100mg	\$400/500mg	\$600/1g	\$1,500/5g		
HEP4203	HOOC-PEG-EO, 5K	\$250/100mg	\$400/500mg	\$600/1g	\$1,500/5g		
HEP4204	HOOC-PEG-EO, 10K	\$250/100mg	\$400/500mg	\$600/1g	\$1,500/5g		
HEP4205	HOOC-PEG-EO, 20K	\$250/100mg	\$400/500mg	\$600/1g	\$1,500/5g		



α-Carboxyl-ω-acryloyl poly(ethylene glycol) O

$\underset{\mathsf{HOOC-CH}_2-\mathsf{O-(CH}_2\mathsf{CH}_2\mathsf{O})_n}{\overset{\mathsf{O}}{\overset{\mathsf{II}}{\underset{}}}}-\underset{\mathsf{CH}=\mathsf{CH}_2}{\overset{\mathsf{O}}{\underset{}}}$

Catalog #	Name and MW	Price				
HEP4301	HOOC-PEG-AC, 2K	\$250/100mg	\$380/500mg	\$600/1g	\$1,800/5g	
HEP4302	HOOC-PEG-AC, 3.5K	\$250/100mg	\$380/500mg	\$600/1g	\$1,800/5g	
HEP4303	HOOC-PEG-AC, 5K	\$250/100mg	\$380/500mg	\$600/1g	\$1,800/5g	
HEP4304	HOOC-PEG-AC, 10K	\$250/100mg	\$380/500mg	\$600/1g	\$1,800/5g	
HEP4305	HOOC-PEG-AC, 20K	\$250/100mg	\$380/500mg	\$600/1g	\$1,800/5g	

α-Methacryloyl-ω-amino poly(ethylene glycol)

$$\begin{array}{c} O \\ H_2C = C - \overset{O}{C} - O - (CH_2CH_2O)_n - CH_2CH_2 - NH_2 \\ \overset{I}{C}H_3 \end{array}$$

Catalog #	Name and MW	Price					
HEP4401	MA-PEG-NH ₂ , 2K	\$170/100mg	\$280/500mg	\$450/1g	\$1,400/5g		
HEP4402	MA-PEG-NH ₂ , 3.5K	\$170/100mg	\$280/500mg	\$450/1g	\$1,400/5g		
HEP4403	MA-PEG-NH ₂ , 5K	\$170/100mg	\$280/500mg	\$450/1g	\$1,400/5g		
HEP4404	MA-PEG-NH ₂ , 10K	\$170/100mg	\$280/500mg	\$450/1g	\$1,400/5g		
HEP4405	MA-PEG-NH ₂ , 20K	\$170/100mg	\$280/500mg	\$450/1g	\$1,400/5g		

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α-Methacryloyl-ω-isocyanato poly(ethylene glycol)

O	
$H_2C = C - C - O - (CH_2CH_2O)_n - CH_2CH_2O)_n$	12-NCO
CH ₃	-
0113	

Catalog #	Name and MW		Price		
HEP4501	MA-PEG-NCO, 2K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g
HEP4502	MA-PEG-NCO, 3.5K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g
HEP4503	MA-PEG-NCO, 5K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g
HEP4504	MA-PEG-NCO, 10K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g
HEP4505	MA-PEG-NCO, 20K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g

α -Methacryloyl- ω -azido poly(ethylene glycol)

$$H_{2}C = C - C - C - (CH_{2}CH_{2}O)_{n} - CH_{2}CH_{2} - N_{3}$$

Catalog #	Name and MW	Price				
HEP4601	MA-PEG-N ₃ , 2K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g	
HEP4602	MA-PEG-N ₃ , 3.5K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g	
HEP4603	MA-PEG-N ₃ , 5K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g	
HEP4604	MA-PEG-N ₃ , 10K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g	
HEP4605	MA-PEG-N ₃ , 20K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g	

α-Methacryloyl-ω-glycidyl poly(ethylene glycol)

$$H_2C = C - C - C - (CH_2CH_2O)_n - CH_2 - CH - CH_2$$

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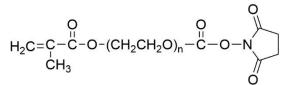
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Catalog #	Name and MW		Price		
HEP4701	MA-PEG-EO, 2K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g
HEP4702	MA-PEG-EO, 3.5K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g
HEP4703	MA-PEG-EO, 5K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g
HEP4704	MA-PEG-EO, 10K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g
HEP4705	MA-PEG-EO, 20K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g

α-Methacryloyl-ω-succinimidyl poly(ethylene glycol)



Catalog #	Name and MW	Price				
HEP4801	MA-PEG-SC, 2K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g	
HEP4802	MA-PEG-SC, 3.5K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g	
HEP4803	MA-PEG-SC, 5K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g	
HEP4804	MA-PEG-SC, 10K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g	
HEP4805	MA-PEG-SC, 20K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g	

α-Methacryloyl-ω-maleimidyl poly(ethylene glycol)

$$H_2C = C - C - C - (CH_2CH_2O)_n - CH_2CH_2 - N$$

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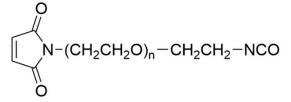
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Catalog #	Name and MW	Price			
HEP4901	MA-PEG-MAL, 2K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g
HEP4902	MA-PEG-MAL, 3.5K	\$250/100mg	\$350/500mg	\$600/1g	\$1,500/5g
HEP4903	MA-PEG-MAL, 5K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g
HEP4904	MA-PEG-MAL, 10K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g
HEP4905	MA-PEG-MAL, 20K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g

α-Maleimidyl-ω-isocyanato poly(ethylene glycol)



Catalog #	Name and MW	Price				
HEP5001	MAL-PEG-NCO, 2K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g	
HEP5002	MAL-PEG-NCO, 3.5K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g	
HEP5003	MAL-PEG-NCO, 5K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g	
HEP5004	MAL-PEG-NCO, 10K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g	
HEP5005	MAL-PEG-NCO, 20K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g	

α-Azido-ω-amino poly(ethylene glycol)

$N_3^{-}(CH_2CH_2O)_n^{-}CH_2CH_2^{-}NH_2$

Catalog #	Name and MW	Price			
HEP5101	N ₃ -PEG-NH ₂ , 2K	\$170/100mg	\$280/500mg	\$450/1g	\$1,400/5g

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HEP5102	N ₃ -PEG-NH ₂ , 3.5K	\$170/100mg	\$280/500mg	\$450/1g	\$1,400/5g
HEP5103	N ₃ -PEG-NH ₂ , 5K	\$170/100mg	\$280/500mg	\$450/1g	\$1,400/5g
HEP5104	N ₃ -PEG-NH ₂ , 10K	\$170/100mg	\$280/500mg	\$450/1g	\$1,400/5g
HEP5105	N ₃ -PEG-NH ₂ , 20K	\$170/100mg	\$280/500mg	\$450/1g	\$1,400/5g

α-Azido-ω-mercapto poly(ethylene glycol)

$N_3 - (CH_2CH_2O)_n - CH_2CH_2 - SH$

Catalog #	Name and MW		Price		
HEP5201	N ₃ -PEG-SH, 2K	\$200/100mg	\$400/500mg	\$700/1g	\$1,800/5g
HEP5202	N ₃ -PEG-SH, 3.5K	\$200/100mg	\$400/500mg	\$700/1g	\$1,800/5g
HEP5203	N ₃ -PEG-SH, 5K	\$200/100mg	\$400/500mg	\$700/1g	\$1,800/5g
HEP5204	N ₃ -PEG-SH, 10K	\$200/100mg	\$400/500mg	\$700/1g	\$1,800/5g
HEP5205	N ₃ -PEG-SH, 20K	\$200/100mg	\$400/500mg	\$700/1g	\$1,800/5g

α-Azido-ω-succinimidyl poly(ethylene glycol)

$$N_3$$
-(CH₂CH₂O)_n- $\overset{O}{C}$ -O-N

Catalog #	Name and MW	Price			
HEP5301	N ₃ -PEG-SC, 2K	\$250/100mg	\$380/500mg	\$600/1g	\$1,700/5g
HEP5302	N ₃ -PEG-SC, 3.5K	\$250/100mg	\$380/500mg	\$600/1g	\$1,700/5g

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HEP5303	N ₃ -PEG-SC, 5K	\$250/100mg	\$380/500mg	\$600/1g	\$1,700/5g
HEP5304	N ₃ -PEG-SC, 10K	\$250/100mg	\$380/500mg	\$600/1g	\$1,700/5g
HEP5305	N ₃ -PEG-SC, 20K	\$250/100mg	\$380/500mg	\$600/1g	\$1,700/5g

α -Azido- ω -succinimidyl poly(ethylene glycol)

$$N_3$$
-(CH₂CH₂O)_n-CH₂- $\overset{O}{\overset{\sqcup}{c}}$ -O-N

Catalog #	Name and MW		Price		
HEP5401	N ₃ -PEG-SCM, 2K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g
HEP5402	N ₃ -PEG-SCM, 3.5K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g
HEP5403	N ₃ -PEG-SCM, 5K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g
HEP5404	N ₃ -PEG-SCM, 10K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g
HEP5405	N ₃ -PEG-SCM, 20K	\$250/100mg	\$400/500mg	\$700/1g	\$1,800/5g

α-Azido-ω-maleimidyl poly(ethylene glycol)

$$N_3$$
-(CH₂CH₂O)_n-CH₂CH₂-N

Catalog #	Name and MW	Price			
HEP5501	N ₃ -PEG-MAL, 2K	\$250/100mg	\$380/500mg	\$600/1g	\$1,700/5g
HEP5502	N ₃ -PEG-MAL, 3.5K	\$250/100mg	\$380/500mg	\$600/1g	\$1,700/5g
HEP5503	N ₃ -PEG-MAL, 5K	\$250/100mg	\$380/500mg	\$600/1g	\$1,700/5g

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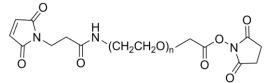
HEP5504	N ₃ -PEG-MAL, 10K	\$250/100mg	\$380/500mg	\$600/1g	\$1,700/5g
HEP5505	N ₃ -PEG-MAL, 20K	\$250/100mg	\$380/500mg	\$600/1g	\$1,700/5g

α-Amino-ω-mercapto poly(ethylene glycol)

NH₂-(CH₂CH₂O)_n-CH₂CH₂-SH

Catalog #	Name and MW		Price		
HEP5601	NH ₂ -PEG-SH, 2K	\$250/100mg	\$380/500mg	\$600/1g	\$1,700/5g
HEP5602	NH ₂ -PEG-SH, 3.5K	\$250/100mg	\$380/500mg	\$600/1g	\$1,700/5g
HEP5603	NH ₂ -PEG-SH, 5K	\$250/100mg	\$380/500mg	\$600/1g	\$1,700/5g
HEP5604	NH ₂ -PEG-SH, 10K	\$250/100mg	\$380/500mg	\$600/1g	\$1,700/5g
HEP5605	NH ₂ -PEG-SH, 20K	\$250/100mg	\$380/500mg	\$600/1g	\$1,700/5g

α-Maleimidyl-ω-succinimidyl carboxymethyl Poly(ethylene glycol)



Catalog #	Name and MW	Price			
HEP5701	MAL-PEG-SCM, 2K	\$200/100mg	\$350/500mg	\$450/1g	\$1,750/5g
HEP5702	MAL-PEG-SCM, 3.5K	\$200/100mg	\$350/500mg	\$450/1g	\$1,750/5g
HEP5703	MAL-PEG-SCM, 5K	\$200/100mg	\$350/500mg	\$450/1g	\$1,750/5g
HEP5704	MAL-PEG-SCM, 10K	\$200/100mg	\$350/500mg	\$450/1g	\$1,750/5g
HEP5705	MAL-PEG-SCM, 20K	\$200/100mg	\$350/500mg	\$450/1g	\$1,750/5g

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Multiarm PEG Derivatives – 2-Arm PEG

$$CH_{3}O - (CH_{2}CH_{2}O)_{n} - C - NH - CH - CH - C - R$$

$$CH_{2}$$

$$CH_{2}$$

$$CH_{2}$$

$$O$$

$$CH_{2}$$

$$CH_{3}O - (CH_{2}CH_{2}O)_{n} - C - NH - CH_{2}$$

$$R = OH, NHS, MAL;$$

2-arm Methoxypoly(ethylene glycol) carboxylic acid (Lysine)

$$\begin{array}{c} O & O \\ CH_{3}O-(CH_{2}CH_{2}O)_{n}-\overset{O}{C}-NH-CH-\overset{O}{C}-OH \\ & \overset{O}{C}H_{2} \\ CH_{2} \\ O & \overset{O}{C}H_{2} \\ CH_{3}O-(CH_{2}CH_{2}O)_{n}-\overset{O}{C}-NH-\overset{O}{C}H_{2} \end{array}$$

Catalog #	Name and MW		Price	
2AP0201	2-Arm PEG-COOH, 2K	\$120/1g	\$450/5g	\$720/10g
2AP0202	2-Arm PEG-COOH, 5K	\$120/1g	\$450/5g	\$720/10g
2AP0203	2-Arm PEG-COOH, 10K	\$120/1g	\$450/5g	\$720/10g
2AP0204	2-Arm PEG-COOH, 20K	\$120/1g	\$450/5g	\$720/10g
2AP0205	2-Arm PEG-COOH, 40K	\$120/1g	\$450/5g	\$720/10g



2-arm Methoxypoly(ethylene glycol) succinimidyl ester (Lysine)

0

$$\begin{array}{c} CH_{3}O-(CH_{2}CH_{2}O)_{n}-\overset{O}{C}-NH-CH-\overset{O}{C}-O-N\\ & CH_{2}\\ & CH_{2}\\ & CH_{2}\\ O\\ CH_{3}O-(CH_{2}CH_{2}O)_{n}-\overset{O}{C}-NH-\overset{O}{C}H_{2}\\ \end{array}$$

Catalog #	Name and MW		Price	
2AP0301	2-Arm PEG-NHS, 2K	\$150/1g	\$500/5g	\$800/10g
2AP0302	2-Arm PEG-NHS, 5K	\$150/1g	\$500/5g	\$800/10g
2AP0303	2-Arm PEG-NHS, 10K	\$150/1g	\$500/5g	\$800/10g
2AP0304	2-Arm PEG-NHS, 20K	\$150/1g	\$500/5g	\$800/10g
2AP0305	2-Arm PEG-NHS, 40K	\$150/1g	\$500/5g	\$800/10g

2-arm Methoxypoly(ethylene glycol) maleimide (Lysine)

$$CH_{3}O-(CH_{2}CH_{2}O)_{n}-\overset{O}{C}-NH-CH-\overset{O}{C}-NH-CH_{2}CH_{2}-NH-\overset{O}{C}-CH_{2}CH_{2}-NH-\overset{O}{C}-CH_{2}CH_{2}-NH-\overset{O}{C}-CH_{2}CH_{2}-NH-\overset{O}{C}-CH_{2}CH_{2}-NH-\overset{O}{C}-CH_{2}CH_{2}-NH-\overset{O}{C}-CH_{2}CH_{2}-NH-\overset{O}{C}-CH-\overset{O}{C}-$$

Catalog #	Name and MW		Price	
2AP0401	2-Arm PEG-MAL, 2K	\$180/1g	\$650/5g	\$950/10g
2AP0402	2-Arm PEG-MAL, 5K	\$180/1g	\$650/5g	\$950/10g
2AP0403	2-Arm PEG-MAL, 10K	\$180/1g	\$650/5g	\$950/10g
2AP0404	2-Arm PEG-MAL, 20K	\$180/1g	\$650/5g	\$950/10g
2AP0405	2-Arm PEG-MAL, 40K	\$180/1g	\$650/5g	\$950/10g

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Multiarm PEG Derivatives – Novel 2-Arm PEG

 $\mathsf{CH}_3\mathsf{O}^-(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_{\mathsf{n}}^-\mathsf{CH}_2\mathsf{CH}_2^-\mathsf{O}^-\mathsf{CH}_2$

 $CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-O-CH_{2}$

 $\mathbf{R} = \underline{\text{COOH}}, \underline{\text{NH}}_2, \underline{\text{SH}}, \underline{\text{CHO}}, \underline{\text{NCO}}, \underline{\text{N}}_3, \underline{\text{Alkyne}}, \underline{\text{Acrylate}}, \underline{\text{MA}}, \underline{\text{SC}}, \underline{\text{SCM}}, \underline{\text{SPA}}, \underline{\text{MAL}};$

Novel 2-arm methoxypoly(ethylene glycol) carboxylic acid

 $\mathsf{CH}_3\mathsf{O}^-(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_{\mathsf{n}}^-\mathsf{CH}_2\mathsf{CH}_2^-\mathsf{O}^-\mathsf{CH}_2$

CH-CH₂CH₂-O-CH₂-COOH

 $CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-O-CH_{2}$

Catalog #	Name and MW		Price	
N2AP0201	Novel 2-arm PEG-COOH, 2K	\$150/1g	\$500/5g	\$800/10g
N2AP0202	Novel 2-arm PEG-COOH, 5K	\$150/1g	\$500/5g	\$800/10g
N2AP0203	Novel 2-arm PEG-COOH, 10K	\$150/1g	\$500/5g	\$800/10g
N2AP0204	Novel 2-arm PEG-COOH, 20K	\$150/1g	\$500/5g	\$800/10g
N2AP0205	Novel 2-arm PEG-COOH, 40K	\$150/1g	\$500/5g	\$800/10g

Novel 2-arm methoxypoly(ethylene glycol) amine

 $CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-O-CH_{2}$

CH-CH₂CH₂-NH₂

 $CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-O-CH_{2}$

Catalog #	Name and MW	Price		
N2AP0301	Novel 2-arm PEG-NH ₂ , 2K	\$180/1g	\$650/5g	\$850/10g
N2AP0302	Novel 2-arm PEG-NH ₂ , 5K	\$180/1g	\$650/5g	\$850/10g
N2AP0303	Novel 2-arm PEG-NH ₂ , 10K	\$180/1g	\$650/5g	\$850/10g

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N2AP0304	Novel 2-arm PEG-NH ₂ , 20K	\$180/1g	\$650/5g	\$850/10g
N2AP0305	Novel 2-arm PEG-NH ₂ , 40K	\$180/1g	\$650/5g	\$850/10g

Novel 2-arm methoxypoly(ethylene glycol) thiol

 $CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-O-CH_{2}$

CH-CH₂CH₂-SH

 $CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-O-CH_{2}$

Catalog #	Name and MW		Price	
N2AP0401	Novel 2-arm PEG-SH, 2K	\$180/1g	\$650/5g	\$850/10g
N2AP0402	Novel 2-arm PEG-SH, 5K	\$180/1g	\$650/5g	\$850/10g
N2AP0403	Novel 2-arm PEG-SH, 10K	\$180/1g	\$650/5g	\$850/10g
N2AP0404	Novel 2-arm PEG-SH, 20K	\$180/1g	\$650/5g	\$850/10g
N2AP0405	Novel 2-arm PEG-SH, 40K	\$180/1g	\$650/5g	\$850/10g

Novel 2-arm methoxypoly(ethylene glycol) aldehyde

 $\mathsf{CH}_3\mathsf{O}^-(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_{\mathsf{n}}^-\mathsf{CH}_2\mathsf{CH}_2^-\mathsf{O}^-\mathsf{CH}_2$

CH-CH₂CH₂-O-CH₂CH₂-CHO

 $CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-O-CH_{2}$

Catalog #	Name and MW		Price	
N2AP0501	Novel 2-arm PEG-CHO, 2K	\$200/1g	\$720/5g	\$1,100/10g
N2AP0502	Novel 2-arm PEG-CHO, 5K	\$200/1g	\$720/5g	\$1,100/10g
N2AP0503	Novel 2-arm PEG-CHO, 10K	\$200/1g	\$720/5g	\$1,100/10g
N2AP0504	Novel 2-arm PEG-CHO, 20K	\$200/1g	\$720/5g	\$1,100/10g
N2AP0505	Novel 2-arm PEG-CHO, 40K	\$200/1g	\$720/5g	\$1,100/10g

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Novel 2-arm methoxypoly(ethylene glycol) isocyanate

 $\mathsf{CH}_3\mathsf{O}-(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_{\mathsf{n}}^{-}\mathsf{CH}_2\mathsf{CH}_2^{-}\mathsf{O}-\mathsf{CH}_2$

CH-CH₂CH₂-NCO

 $CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-O-CH_{2}$

Catalog #	Name and MW		Price	
N2AP0601	Novel 2-arm PEG-NCO, 2K	\$250/1g	\$850/5g	\$1,200/10g
N2AP0602	Novel 2-arm PEG-NCO, 5K	\$250/1g	\$850/5g	\$1,200/10g
N2AP0603	Novel 2-arm PEG-NCO, 10K	\$250/1g	\$850/5g	\$1,200/10g
N2AP0604	Novel 2-arm PEG-NCO, 20K	\$250/1g	\$850/5g	\$1,200/10g
N2AP0605	Novel 2-arm PEG-NCO, 40K	\$250/1g	\$850/5g	\$1,200/10g

Novel 2-arm methoxypoly(ethylene glycol) azide

CH₃O-(CH₂CH₂O)_n-CH₂CH₂-O-CH₂

CH-CH₂CH₂-N₃

 $CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-O-CH_{2}$

Catalog #	Name and MW		Price	
N2AP0701	Novel 2-arm PEG-N ₃ , 2K	\$180/1g	\$650/5g	\$850/10g
N2AP0702	Novel 2-arm PEG-N ₃ , 5K	\$180/1g	\$650/5g	\$850/10g
N2AP0703	Novel 2-arm PEG-N ₃ , 10K	\$180/1g	\$650/5g	\$850/10g
N2AP0704	Novel 2-arm PEG-N ₃ , 20K	\$180/1g	\$650/5g	\$850/10g
N2AP0705	Novel 2-arm PEG-N ₃ , 40K	\$180/1g	\$650/5g	\$850/10g

Novel 2-arm methoxypoly(ethylene glycol) alkyne

 $\begin{array}{c} {\rm CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-O-CH_{2}}\\ \\ {\rm CH-CH_{2}CH_{2}-O-C\equiv CH}\\ {\rm CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-O-CH_{2}}\end{array}$

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Catalog #	Name and MW		Price	
N2AP0801	Novel 2-arm PEG-ALK, 2K	\$200/1g	\$720/5g	\$1,100/10g
N2AP0802	Novel 2-arm PEG-ALK, 5K	\$200/1g	\$720/5g	\$1,100/10g
N2AP0803	Novel 2-arm PEG-ALK, 10K	\$200/1g	\$720/5g	\$1,100/10g
N2AP0804	Novel 2-arm PEG-ALK, 20K	\$200/1g	\$720/5g	\$1,100/10g
N2AP0805	Novel 2-arm PEG-ALK, 40K	\$200/1g	\$720/5g	\$1,100/10g

Novel 2-arm methoxypoly(ethylene glycol) acrylate

 $\mathsf{CH}_3\mathsf{O}-(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_{\mathsf{n}}\text{-}\mathsf{CH}_2\mathsf{CH}_2\text{-}\mathsf{O}\text{-}\mathsf{CH}_2$

О СН-СН₂СН₂-О-С-СН=СН₂

 $CH_3O-(CH_2CH_2O)_n-CH_2CH_2-O-CH_2$

Catalog #	Name and MW		Price	
N2AP0901	Novel 2-arm PEG-AC, 2K	\$150/1g	\$500/5g	\$800/10g
N2AP0902	Novel 2-arm PEG-AC, 5K	\$150/1g	\$500/5g	\$800/10g
N2AP0903	Novel 2-arm PEG-AC, 10K	\$150/1g	\$500/5g	\$800/10g
N2AP0904	Novel 2-arm PEG-AC, 20K	\$150/1g	\$500/5g	\$800/10g
N2AP0905	Novel 2-arm PEG-AC, 40K	\$150/1g	\$500/5g	\$800/10g

Novel 2-arm methoxypoly(ethylene glycol) methacrylate

 $CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-O-CH_{2}$

Catalog #	Name and MW	Price		
N2AP1001	Novel 2-arm PEG-MA, 2K	\$150/1g	\$500/5g	\$800/10g
N2AP1002	Novel 2-arm PEG-MA, 5K	\$150/1g	\$500/5g	\$800/10g

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N2AP1003	Novel 2-arm PEG-MA, 10K	\$150/1g	\$500/5g	\$800/10g
N2AP1004	Novel 2-arm PEG-MA, 20K	\$150/1g	\$500/5g	\$800/10g
N2AP1005	Novel 2-arm PEG-MA, 40K	\$150/1g	\$500/5g	\$800/10g

Novel 2-arm methoxypoly(ethylene glycol) succinimidyl ester

CH₃O-(CH₂CH₂O)_n-CH₂CH₂-O-CH₂

CH₃O-(CH₂CH₂O)_n-CH₂CH₂-O-CH₂

Catalog #	Name and MW		Price	
N2AP1101	Novel 2-arm PEG-SC, 2K	\$120/1g	\$450/5g	\$720/10g
N2AP1102	Novel 2-arm PEG-SC, 5K	\$120/1g	\$450/5g	\$720/10g
N2AP1103	Novel 2-arm PEG-SC, 10K	\$120/1g	\$450/5g	\$720/10g
N2AP1104	Novel 2-arm PEG-SC, 20K	\$120/1g	\$450/5g	\$720/10g
N2AP1105	Novel 2-arm PEG-SC, 40K	\$120/1g	\$450/5g	\$720/10g

Novel 2-arm methoxypoly(ethylene glycol) succinimidyl carboxymethyl ester

$$CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-O-CH_{2}$$

 $CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-O-CH_{2}$

Catalog #	Name and MW		Price	
N2AP1201	Novel 2-arm PEG-SCM, 2K	\$180/1g	\$650/5g	\$850/10g
N2AP1202	Novel 2-arm PEG-SCM, 5K	\$180/1g	\$650/5g	\$850/10g
N2AP1203	Novel 2-arm PEG-SCM, 10K	\$180/1g	\$650/5g	\$850/10g
N2AP1204	Novel 2-arm PEG-SCM, 20K	\$180/1g	\$650/5g	\$850/10g

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N2AP1205 Novel 2-arm PEG-SCM, 40K \$180/1g \$650/5g \$850/10g

Novel 2-arm methoxypoly(ethylene glycol) succinimidyl pionate

CH₃O-(CH₂CH₂O)_n-CH₂CH₂-O-CH₂

CH₃O-(CH₂CH₂O)_n-CH₂CH₂-O-CH₂

Catalog #	Name and MW		Price	
N2AP1301	Novel 2-arm PEG-SPA, 2K	\$200/1g	\$720/5g	\$1,100/10g
N2AP1302	Novel 2-arm PEG-SPA, 5K	\$200/1g	\$720/5g	\$1,100/10g
N2AP1303	Novel 2-arm PEG-SPA, 10K	\$200/1g	\$720/5g	\$1,100/10g
N2AP1304	Novel 2-arm PEG-SPA, 20K	\$200/1g	\$720/5g	\$1,100/10g
N2AP1305	Novel 2-arm PEG-SPA, 40K	\$200/1g	\$720/5g	\$1,100/10g

Novel 2-arm methoxypoly(ethylene glycol) maleimide

CH₃O-(CH₂CH₂O)_n-CH₂CH₂-O-CH₂ CH-CH₂CH₂-N

CH₃O-(CH₂CH₂O)_n-CH₂CH₂-O-CH₂

Catalog #	Name and MW		Price	
N2AP1401	Novel 2-arm PEG-MAL, 2K	\$200/1g	\$720/5g	\$1,100/10g
N2AP1402	Novel 2-arm PEG-MAL, 5K	\$200/1g	\$720/5g	\$1,100/10g
N2AP1403	Novel 2-arm PEG-MAL, 10K	\$200/1g	\$720/5g	\$1,100/10g
N2AP1404	Novel 2-arm PEG-MAL, 20K	\$200/1g	\$720/5g	\$1,100/10g
N2AP1405	Novel 2-arm PEG-MAL, 40K	\$200/1g	\$720/5g	\$1,100/10g

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Multiarm PEG Derivatives – Y-Shaped PEG

 $\mathsf{CH}_3\mathsf{O}^-(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_{\mathsf{n}}^-\mathsf{CH}_2\mathsf{CH}_2^-\mathsf{O}^-\mathsf{CH}_2$

 $CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-O-CH_{2}$

 $\mathbf{R} = \underline{NH_2}, \underline{COOH}, \underline{SH}, \underline{CHO}, \underline{NCO}, \underline{N_3}, \underline{Alkyne}, \underline{Acrylate}, \underline{MA}, \underline{SC}, \underline{SCM}, \underline{SPA}, \underline{MAL};$

Y-shaped methoxypoly(ethylene glycol) amine

 $\mathsf{CH}_3\mathsf{O}^-(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_{\mathsf{n}}^-\mathsf{CH}_2\mathsf{CH}_2^-\mathsf{O}^-\mathsf{CH}_2$

CH-(CH₂CH₂O)_n-CH₂CH₂-NH₂

 $CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-O-CH_{2}$

Catalog #	Name and MW		Price	
YSP0201	Y-Shaped PEG-NH ₂ , 2K	\$250/1g	\$950/5g	\$1,500/10g
YSP0202	Y-Shaped PEG-NH ₂ , 5K	\$250/1g	\$950/5g	\$1,500/10g
YSP0203	Y-Shaped PEG-NH ₂ , 10K	\$250/1g	\$950/5g	\$1,500/10g
YSP0204	Y-Shaped PEG-NH ₂ , 20K	\$250/1g	\$950/5g	\$1,500/10g
YSP0205	Y-Shaped PEG-NH ₂ , 40K	\$250/1g	\$950/5g	\$1,500/10g

Y-shape poly(ethylene glycol) carboxylic acid

 $\mathsf{CH}_3\mathsf{O}-(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_{\mathsf{n}}-\mathsf{CH}_2\mathsf{CH}_2-\mathsf{O}-\mathsf{CH}_2$

CH₃O-(CH₂CH₂O)_n-CH₂CH₂-O-CH₂

Catalog #	Name and MW		Price	
YSP0301	Y-Shaped PEG-COOH, 2K	\$200/1g	\$800/5g	\$1,200/10g
YSP0302	Y-Shaped PEG-COOH, 5K	\$200/1g	\$800/5g	\$1,200/10g
YSP0303	Y-Shaped PEG-COOH, 10K	\$200/1g	\$800/5g	\$1,200/10g
YSP0304	Y-Shaped PEG-COOH, 20K	\$200/1g	\$800/5g	\$1,200/10g

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YSP0305	Y-Shaped PEG-COOH, 40K	\$200/1g	\$800/5g	\$1,200/10g
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Y-shape poly(ethylene glycol) thiol

 $\mathsf{CH}_3\mathsf{O}^-(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_{\mathsf{n}}^-\mathsf{CH}_2\mathsf{CH}_2^-\mathsf{O}^-\mathsf{CH}_2$

CH-(CH₂CH₂O)_n-CH₂CH₂-SH

 $CH_3O-(CH_2CH_2O)_n-CH_2CH_2-O-CH_2$

Catalog #	Name and MW		Price	
YSP0401	Y-Shaped PEG-SH, 2K	\$250/1g	\$950/5g	\$1,500/10g
YSP0402	Y-Shaped PEG-SH, 5K	\$250/1g	\$950/5g	\$1,500/10g
YSP0403	Y-Shaped PEG-SH, 10K	\$250/1g	\$950/5g	\$1,500/10g
YSP0404	Y-Shaped PEG-SH, 20K	\$250/1g	\$950/5g	\$1,500/10g
YSP0405	Y-Shaped PEG-SH, 40K	\$250/1g	\$950/5g	\$1,500/10g

Y-shape poly(ethylene glycol) aldehyde

 $\mathsf{CH}_3\mathsf{O}^-(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_{\mathsf{n}}^-\mathsf{CH}_2\mathsf{CH}_2^-\mathsf{O}^-\mathsf{CH}_2$

CH-(CH₂CH₂O)_n-CH₂CH₂-CHO

 $CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-O-CH_{2}$

Catalog #	Name and MW		Price	
YSP0501	Y-Shaped PEG-CHO, 2K	\$250/1g	\$950/5g	\$1,500/10g
YSP0502	Y-Shaped PEG-CHO, 5K	\$250/1g	\$950/5g	\$1,500/10g
YSP0503	Y-Shaped PEG-CHO, 10K	\$250/1g	\$950/5g	\$1,500/10g
YSP0504	Y-Shaped PEG-CHO, 20K	\$250/1g	\$950/5g	\$1,500/10g
YSP0505	Y-Shaped PEG-CHO, 40K	\$250/1g	\$950/5g	\$1,500/10g

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Y-shape poly(ethylene glycol) isocyanate

 $\mathsf{CH}_3\mathsf{O}-(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_{\mathsf{n}}-\mathsf{CH}_2\mathsf{CH}_2-\mathsf{O}-\mathsf{CH}_2$

CH-(CH₂CH₂O)_n-CH₂CH₂-NCO

 $CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-O-CH_{2}$

Catalog #	Name and MW		Price	
YSP0601	Y-Shaped PEG-NCO, 2K	\$300/1g	\$1,000/5g	\$1,600/10g
YSP0602	Y-Shaped PEG-NCO, 5K	\$300/1g	\$1,000/5g	\$1,600/10g
YSP0603	Y-Shaped PEG-NCO, 10K	\$300/1g	\$1,000/5g	\$1,600/10g
YSP0604	Y-Shaped PEG-NCO, 20K	\$300/1g	\$1,000/5g	\$1,600/10g
YSP0605	Y-Shaped PEG-NCO, 40K	\$300/1g	\$1,000/5g	\$1,600/10g

Y-shaped methoxypoly(ethylene glycol) azide

 $\mathsf{CH}_3\mathsf{O}-(\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_{\mathsf{n}}\text{-}\mathsf{CH}_2\mathsf{CH}_2\text{-}\mathsf{O}\text{-}\mathsf{CH}_2$

CH-(CH₂CH₂O)_n-CH₂CH₂-N₃

Catalog #	Name and MW		Price	
YSP0701	Y-Shaped PEG-N ₃ , 2K	\$200/1g	\$800/5g	\$1,200/10g
YSP0702	Y-Shaped PEG-N ₃ , 5K	\$200/1g	\$800/5g	\$1,200/10g
YSP0703	Y-Shaped PEG-N ₃ , 10K	\$200/1g	\$800/5g	\$1,200/10g
YSP0704	Y-Shaped PEG-N ₃ , 20K	\$200/1g	\$800/5g	\$1,200/10g
YSP0705	Y-Shaped PEG-N ₃ , 40K	\$200/1g	\$800/5g	\$1,200/10g

CH₃O-(CH₂CH₂O)_n-CH₂CH₂-O-CH₂

Y-shaped methoxypoly(ethylene glycol) alkyne

 $\begin{array}{c} {\rm CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-O-CH_{2}}\\ {\rm CH-(CH_{2}CH_{2}O)_{n}-CH_{2}-C\equiv CH_{2}\\ {\rm CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-O-CH_{2}\\ \end{array}$

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Catalog #	Name and MW		Price	
YSP0801	Y-Shaped PEG-Alkyne, 2K	\$300/1g	\$1,000/5g	\$1,600/10g
YSP0802	Y-Shaped PEG-Alkyne, 5K	\$300/1g	\$1,000/5g	\$1,600/10g
YSP0803	Y-Shaped PEG-Alkyne, 10K	\$300/1g	\$1,000/5g	\$1,600/10g
YSP0804	Y-Shaped PEG-Alkyne, 20K	\$300/1g	\$1,000/5g	\$1,600/10g
YSP0805	Y-Shaped PEG-Alkyne, 40K	\$300/1g	\$1,000/5g	\$1,600/10g

Y-shape poly(ethylene glycol) acrylate CH₃O-(CH₂CH₂O)_n-CH₂CH₂-O-CH₂

 $CH-(CH_2CH_2O)_n-C-CH=CH_2$

CH₃O-(CH₂CH₂O)_n-CH₂CH₂-O-CH₂

Catalog #	Name and MW		Price	
YSP0901	Y-Shaped PEG-AC, 2K	\$180/1g	\$700/5g	\$1,100/10g
YSP0902	Y-Shaped PEG-AC, 5K	\$180/1g	\$700/5g	\$1,100/10g
YSP0903	Y-Shaped PEG-AC, 10K	\$180/1g	\$700/5g	\$1,100/10g
YSP0904	Y-Shaped PEG-AC, 20K	\$180/1g	\$700/5g	\$1,100/10g
YSP0905	Y-Shaped PEG-AC, 40K	\$180/1g	\$700/5g	\$1,100/10g

Y-shape poly(ethylene glycol) methacrylate

$$CH-(CH_2CH_2O)_n-C-C=CH_2$$

CH-(CH_2CH_2O)_n-C-C=CH_2
CH_3

 $CH_{3}O-(CH_{2}CH_{2}O)_{n}-CH_{2}CH_{2}-O-CH_{2}$

Catalog #	Name and MW		Price	
YSP1001	Y-Shaped PEG-MA, 2K	\$180/1g	\$700/5g	\$1,100/10g
YSP1002	Y-Shaped PEG-MA, 5K	\$180/1g	\$700/5g	\$1,100/10g

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YSP1003	Y-Shaped PEG-MA, 10K	\$180/1g	\$700/5g	\$1,100/10g
YSP1004	Y-Shaped PEG-MA, 20K	\$180/1g	\$700/5g	\$1,100/10g
YSP1005	Y-Shaped PEG-MA, 40K	\$180/1g	\$700/5g	\$1,100/10g

Y-shape poly(ethylene glycol) succinimidyl ester

$CH_3O-(CH_2CH_2O)_n-CH_2CH_2-O-CH_2$	0
CH-(CH ₂ CH ₂ O) _n	-Č-0-N
$CH_3O-(CH_2CH_2O)_n-CH_2CH_2-O-CH_2$	o o

Catalog #	Name and MW		Price	
YSP1101	Y-Shaped PEG-SC, 2K	\$180/1g	\$700/5g	\$1,100/10g
YSP1102	Y-Shaped PEG-SC, 5K	\$180/1g	\$700/5g	\$1,100/10g
YSP1103	Y-Shaped PEG-SC, 10K	\$180/1g	\$700/5g	\$1,100/10g
YSP1104	Y-Shaped PEG-SC, 20K	\$180/1g	\$700/5g	\$1,100/10g
YSP1105	Y-Shaped PEG-SC, 40K	\$180/1g	\$700/5g	\$1,100/10g

Y-shape poly(ethylene glycol) succinimidyl carboxymethyl ester

$CH_3O-(CH_2CH_2O)_n-CH_2CH_2-O-CH_2$	°
CH-(CH ₂ CH ₂ O) _n -CH ₂ -C-C	D-N
	\mathcal{F}
$CH_3O-(CH_2CH_2O)_n-CH_2CH_2-O-CH_2$	Ó

Catalog #	Name and MW		Price	
YSP1201	Y-Shaped PEG-SCM, 2K	\$200/1g	\$800/5g	\$1,200/10g
YSP1202	Y-Shaped PEG-SCM, 5K	\$200/1g	\$800/5g	\$1,200/10g
YSP1203	Y-Shaped PEG-SCM, 10K	\$200/1g	\$800/5g	\$1,200/10g
YSP1204	Y-Shaped PEG-SCM, 20K	\$200/1g	\$800/5g	\$1,200/10g
YSP1205	Y-Shaped PEG-SCM, 40K	\$200/1g	\$800/5g	\$1,200/10g

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Y-shape poly(ethylene glycol) succinimidyl pionate

CH₃O-(CH₂CH₂O)_n-CH₂CH₂-O-CH₂

CH₃O-(CH₂CH₂O)_n-CH₂CH₂-O-CH₂

Catalog #	Name and MW		Price	
YSP1301	Y-Shaped PEG-SPA, 2K	\$250/1g	\$950/5g	\$1,500/10g
YSP1302	Y-Shaped PEG-SPA, 5K	\$250/1g	\$950/5g	\$1,500/10g
YSP1303	Y-Shaped PEG-SPA, 10K	\$250/1g	\$950/5g	\$1,500/10g
YSP1304	Y-Shaped PEG-SPA, 20K	\$250/1g	\$950/5g	\$1,500/10g
YSP1305	Y-Shaped PEG-SPA, 40K	\$250/1g	\$950/5g	\$1,500/10g

Y-shape poly(ethylene glycol) maleimide

 $CH_3O-(CH_2CH_2O)_n-CH_2CH_2-O-CH_2$ CH-(CH₂CH₂O)_n $-CH_2$

CH₃O-(CH₂CH₂O)_n-CH₂CH₂-O-CH₂

Catalog #	Name and MW		Price	
YSP1401	Y-Shaped PEG-MAL, 2K	\$250/1g	\$950/5g	\$1,500/10g
YSP1402	Y-Shaped PEG-MAL, 5K	\$250/1g	\$950/5g	\$1,500/10g
YSP1403	Y-Shaped PEG-MAL, 10K	\$250/1g	\$950/5g	\$1,500/10g
YSP1404	Y-Shaped PEG-MAL, 20K	\$250/1g	\$950/5g	\$1,500/10g
YSP1405	Y-Shaped PEG-MAL, 40K	\$250/1g	\$950/5g	\$1,500/10g

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Multiarm PEG Derivatives – 4-Arm PEG

 $C \left\{ CH_2 - O - (CH_2CH_2O)_n - CH_2CH_2 - R \right\}_4$

 $\mathbf{R} = \underline{NH}_2$, <u>COOH</u>, <u>SH</u>, <u>CHO</u>, <u>NCO</u>, <u>N</u>₃, <u>Alkyne</u>, <u>Acrylate</u>, <u>MA</u>, <u>SC</u>, <u>MAL</u>, <u>SS</u>, <u>SG</u>;

4-arm Poly(ethylene glycol) amine

 $\mathsf{C}\big\{\mathsf{C}\mathsf{H}_2\text{-}\mathsf{O}\text{-}(\mathsf{C}\mathsf{H}_2\mathsf{C}\mathsf{H}_2\mathsf{O})_n\text{-}\mathsf{C}\mathsf{H}_2\mathsf{C}\mathsf{H}_2\text{-}\mathsf{N}\mathsf{H}_2\big]_4$

Catalog #	Name and MW		Price	
4AP0201	4-Arm PEG-NH ₂ , 2K	\$60/1g	\$240/5g	\$400/10g
4AP0202	4-Arm PEG-NH ₂ , 5K	\$60/1g	\$240/5g	\$400/10g
4AP0203	4-Arm PEG-NH ₂ , 10K	\$60/1g	\$240/5g	\$400/10g
4AP0204	4-Arm PEG-NH ₂ , 20K	\$60/1g	\$240/5g	\$400/10g
4AP0205	4-Arm PEG-NH ₂ , 40K	\$60/1g	\$240/5g	\$400/10g

4-arm Poly(ethylene glycol) carboxylic acid

 $C \left\{ H_2 C \text{-} O \text{-} (C H_2 C H_2 O)_n \text{-} C H_2 \text{-} C O O H \right]_4$

Catalog #	Name and MW		Price	
4AP0301	4-Arm PEG-COOH, 2K	\$100/1g	\$400/5g	\$640/10g
4AP0302	4-Arm PEG-COOH, 5K	\$100/1g	\$400/5g	\$640/10g
4AP0303	4-Arm PEG-COOH, 10K	\$100/1g	\$400/5g	\$640/10g

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4AP0304	4-Arm PEG-COOH, 20K	\$100/1g	\$400/5g	\$640/10g
4AP0305	4-Arm PEG-COOH, 40K	\$100/1g	\$400/5g	\$640/10g

4-arm Poly(ethylene glycol) thiol

$$C \left\{ \mathsf{CH}_2 \text{-} \mathsf{O} \text{-} (\mathsf{CH}_2 \mathsf{CH}_2 \mathsf{O})_n \text{-} \mathsf{CH}_2 \mathsf{CH}_2 \text{-} \mathsf{SH} \right]_4$$

Catalog #	Name and MW		Price	
4AP0401	4-Arm PEG-SH, 2K	\$120/1g	\$480/5g	\$780/10g
4AP0402	4-Arm PEG-SH, 5K	\$120/1g	\$480/5g	\$780/10g
4AP0403	4-Arm PEG-SH, 10K	\$120/1g	\$480/5g	\$780/10g
4AP0404	4-Arm PEG-SH, 20K	\$120/1g	\$480/5g	\$780/10g
4AP0405	4-Arm PEG-SH, 40K	\$120/1g	\$480/5g	\$780/10g

4-arm Poly(ethylene glycol) aldehyde

$$C \left\{ \mathsf{CH}_2 \text{-} \mathsf{O} \text{-} (\mathsf{CH}_2 \mathsf{CH}_2 \mathsf{O})_n \text{-} \mathsf{CH}_2 \mathsf{CH}_2 \text{-} \mathsf{CHO} \right]_4$$

Catalog #	Name and MW		Price	
4AP0501	4-Arm PEG-CHO, 2K	\$300/1g	\$1,200/5g	\$1,800/10g
4AP0502	4-Arm PEG-CHO, 5K	\$300/1g	\$1,200/5g	\$1,800/10g
4AP0503	4-Arm PEG-CHO, 10K	\$300/1g	\$1,200/5g	\$1,800/10g
4AP0504	4-Arm PEG-CHO, 20K	\$300/1g	\$1,200/5g	\$1,800/10g
4AP0505	4-Arm PEG-CHO, 40K	\$300/1g	\$1,200/5g	\$1,800/10g

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4-arm Poly(ethylene glycol) isocyanate

 $C \left\{ CH_2 \text{-} O \text{-} (CH_2 CH_2 O)_n \text{-} CH_2 CH_2 \text{-} NCO \right]_4$

Catalog #	Name and MW		Price	
4AP0601	4-Arm PEG-NCO, 2K	\$150/1g	\$600/5g	\$960/10g
4AP0602	4-Arm PEG-NCO, 5K	\$150/1g	\$600/5g	\$960/10g
4AP0603	4-Arm PEG-NCO, 10K	\$150/1g	\$600/5g	\$960/10g
4AP0604	4-Arm PEG-NCO, 20K	\$150/1g	\$600/5g	\$960/10g
4AP0605	4-Arm PEG-NCO, 40K	\$150/1g	\$600/5g	\$960/10g

4-arm Poly(ethylene glycol) azide

 $C \{CH_2 - O - (CH_2CH_2O)_n - CH_2CH_2 - N_3\}_4$

Catalog #	Name and MW		Price	
4AP0701	4-Arm PEG-N ₃ , 2K	\$150/1g	\$600/5g	\$960/10g
4AP0702	4-Arm PEG-N ₃ , 5K	\$150/1g	\$600/5g	\$960/10g
4AP0703	4-Arm PEG-N ₃ , 10K	\$150/1g	\$600/5g	\$960/10g
4AP0704	4-Arm PEG-N ₃ , 20K	\$150/1g	\$600/5g	\$960/10g
4AP0705	4-Arm PEG-N ₃ , 40K	\$150/1g	\$600/5g	\$960/10g

4-arm Poly(ethylene glycol) alkyne

 $C \left\{ CH_2 - O - (CH_2CH_2O)_n - CH_2 - C \equiv CH \right\}_4$

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Catalog #	Name and MW		Price	
4AP0801	4-Arm PEG-Alkyne, 2K	\$200/1g	\$800/5g	\$1,200/10g
4AP0802	4-Arm PEG-Alkyne, 5K	\$200/1g	\$800/5g	\$1,200/10g
4AP0803	4-Arm PEG-Alkyne, 10K	\$200/1g	\$800/5g	\$1,200/10g
4AP0804	4-Arm PEG-Alkyne, 20K	\$200/1g	\$800/5g	\$1,200/10g
4AP0805	4-Arm PEG-Alkyne, 40K	\$200/1g	\$800/5g	\$1,200/10g

4-Arm Poly(ethylene glycol) acrylate

0	
1	
$C + CH_2 - O - (CH_2CH_2O)_n - CH = CH_2]_4$	

Catalog #	Name and MW		Price	
4AP0901	4-Arm PEG-AC, 2K	\$100/1g	\$400/5g	\$640/10g
4AP0902	4-Arm PEG-AC, 5K	\$100/1g	\$400/5g	\$640/10g
4AP0903	4-Arm PEG-AC, 10K	\$100/1g	\$400/5g	\$640/10g
4AP0904	4-Arm PEG-AC, 20K	\$100/1g	\$400/5g	\$640/10g
4AP0905	4-Arm PEG-AC, 40K	\$100/1g	\$400/5g	\$640/10g

4-arm Poly(ethylene glycol) methacrylate

$$C \{CH_2 - O - (CH_2CH_2O)_n - C = CH_2\}_4$$

Catalog #	Name and MW		Price	
4AP1001	4-Arm PEG-MA, 2K	\$200/1g	\$800/5g	\$1,200/10g
4AP1002	4-Arm PEG-MA, 5K	\$200/1g	\$800/5g	\$1,200/10g

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4AP1003	4-Arm PEG-MA, 10K	\$200/1g	\$800/5g	\$1,200/10g
4AP1004	4-Arm PEG-MA, 20K	\$200/1g	\$800/5g	\$1,200/10g
4AP1005	4-Arm PEG-MA, 40K	\$200/1g	\$800/5g	\$1,200/10g

4-arm Poly(ethylene glycol) succinimidyl ester

$$C + CH_2 - O - (CH_2CH_2O)_n - C - O - N$$

Catalog #	Name and MW		Price	
4AP1101	4-Arm PEG-SC, 2K	\$120/1g	\$480/5g	\$780/10g
4AP1102	4-Arm PEG-SC, 5K	\$120/1g	\$480/5g	\$780/10g
4AP1103	4-Arm PEG-SC, 10K	\$120/1g	\$480/5g	\$780/10g
4AP1104	4-Arm PEG-SC, 20K	\$120/1g	\$480/5g	\$780/10g
4AP1105	4-Arm PEG-SC, 40K	\$120/1g	\$480/5g	\$780/10g

4-arm Poly(ethylene glycol) maleimide

$$C \left\{ CH_2 - O - (CH_2CH_2O)_n - CH_2CH_2 - N \right\}_4$$

Catalog #	Name and MW	Price		
4AP1201	4-Arm PEG-MAL, 2K	\$120/1g	\$480/5g	\$780/10g
4AP1202	4-Arm PEG-MAL, 5K	\$120/1g	\$480/5g	\$780/10g
4AP1203	4-Arm PEG-MAL, 10K	\$120/1g	\$480/5g	\$780/10g

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4AP1204	4-Arm PEG-MAL, 20K	\$120/1g	\$480/5g	\$780/10g
4AP1205	4-Arm PEG-MAL, 40K	\$120/1g	\$480/5g	\$780/10g

4-arm Poly(ethylene glycol) succinimidyl Succinate

$$C \left\{ CH_2 - O - (CH_2CH_2O)_n - C - CH_2CH_2 - C - O - N \right\}_{O}$$

Catalog #	Name and MW		Price	
4AP1301	4-Arm PEG-SS, 2K	\$100/1g	\$400/5g	\$640/10g
4AP1302	4-Arm PEG-SS, 5K	\$100/1g	\$400/5g	\$640/10g
4AP1303	4-Arm PEG-SS, 10K	\$100/1g	\$400/5g	\$640/10g
4AP1304	4-Arm PEG-SS, 20K	\$100/1g	\$400/5g	\$640/10g
4AP1305	4-Arm PEG-SS, 40K	\$100/1g	\$400/5g	\$640/10g

4-arm Poly(ethylene glycol) succinimidyl Glutarate

$$C \left\{ CH_2 - O - (CH_2CH_2O)_n - C - CH_2CH_2CH_2 - C - O - N \right\}_4$$

Catalog #	Name and MW		Price	
4AP1401	4-Arm PEG-SG, 2K	\$150/1g	\$600/5g	\$960/10g
4AP1402	4-Arm PEG-SG, 5K	\$150/1g	\$600/5g	\$960/10g
4AP1403	4-Arm PEG-SG, 10K	\$150/1g	\$600/5g	\$960/10g
4AP1404	4-Arm PEG-SG, 20K	\$150/1g	\$600/5g	\$960/10g
4AP1405	4-Arm PEG-SG, 40K	\$150/1g	\$600/5g	\$960/10g

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Multiarm PEG Derivatives – 8-Arm PEG

- $R (OCH_2CH_2)_n = O (CH_2CH_2O)_n R$
- $\mathbf{R} = \underline{NH_2}, \underline{COOH}, \underline{SA}, \underline{SAA}, \underline{GA}, \underline{GAA}, \underline{SH}, \underline{CHO}, \underline{N_3}, \underline{Alkyne}, \underline{Acrylate}, \underline{MA}, \underline{MAL}, \underline{SC}, \underline{SCM}, \underline{SS}, \underline{SG}, \underline{SGA};$

8-arm Poly(ethylene glycol) amine

 $\mathsf{HCI}^{\mathsf{NH}_2-\mathsf{CH}_2\mathsf{CH}_2-(\mathsf{OCH}_2\mathsf{CH}_2)_n-\mathsf{O}_{\mathsf{CH}_2}^{\mathsf{CH}_2\mathsf{CH}_2\mathsf{O})_n-\mathsf{CH}_2\mathsf{CH}_2-\mathsf{NH}_2^{\mathsf{CH}_2}+\mathsf{HCI}_2} \\ \mathsf{HCI}^{\mathsf{NH}_2-\mathsf{CH}_2\mathsf{CH}_2-(\mathsf{OCH}_2\mathsf{CH}_2)_n-\mathsf{O}_{\mathsf{CH}_2}^{\mathsf{CH}_2\mathsf{O})_n-\mathsf{CH}_2\mathsf{CH}_2-\mathsf{NH}_2^{\mathsf{CH}_2}+\mathsf{HCI}_2} \\ \mathsf{HCI}^{\mathsf{NH}_2-\mathsf{CH}_2\mathsf{CH}_2-(\mathsf{OCH}_2\mathsf{CH}_2)_n-\mathsf{O}_{\mathsf{CH}_2}^{\mathsf{CH}_2\mathsf{O})_n-\mathsf{CH}_2\mathsf{CH}_2-\mathsf{NH}_2^{\mathsf{CH}_2}+\mathsf{HCI}_2} \\ \mathsf{HCI}^{\mathsf{NH}_2-\mathsf{CH}_2\mathsf{CH}_2-(\mathsf{OCH}_2\mathsf{CH}_2)_n-\mathsf{O}_{\mathsf{CH}_2}^{\mathsf{CH}_2\mathsf{O})_n-\mathsf{CH}_2\mathsf{CH}_2-\mathsf{NH}_2^{\mathsf{CH}_2}+\mathsf{HCI}_2} \\ \mathsf{HCI}^{\mathsf{NH}_2-\mathsf{CH}_2\mathsf{CH}_2-\mathsf{CH}_2\mathsf{CH}_2-\mathsf{NH}_2\mathsf{CH}_2-\mathsf{NH}_2\mathsf{CH}_2-\mathsf{NH}_2\mathsf{CH}_2} \\ \mathsf{HCI}^{\mathsf{NH}_2-\mathsf{CH}_2\mathsf{CH}_2-\mathsf{CH}_2\mathsf{CH}_2-\mathsf{NH}_2\mathsf{CH}_2-\mathsf{NH}_2\mathsf{CH}_2} \\ \mathsf{HCI}^{\mathsf{NH}_2-\mathsf{CH}_2\mathsf{CH}_2-\mathsf{CH}_2\mathsf{CH}_2-\mathsf{NH}_2\mathsf{CH}_2-\mathsf{NH}_2\mathsf{CH}_2-\mathsf{NH}_2\mathsf{CH}_2} \\ \mathsf{HCI}^{\mathsf{NH}_2-\mathsf{CH}_2\mathsf{CH}_2-\mathsf{NH}_2-\mathsf{NH}_2\mathsf{CH}_2-\mathsf{NH}_2-$

Catalog #	Name and MWMA,		Price	
8AP0801	8-Arm PEG-NH ₂ .HCl, 5K	\$50/1g	\$200/5g	\$350/10g
8AP0802	8-Arm PEG-NH ₂ .HCl, 10K	\$50/1g	\$200/5g	\$350/10g
8AP0803	8-Arm PEG-NH ₂ .HCl, 20K	\$50/1g	\$200/5g	\$350/10g
8AP0804	8-Arm PEG-NH ₂ .HCl, 40K	\$50/1g	\$200/5g	\$350/10g

8-arm Poly(ethylene glycol) carboxylic acid

$$HOOC-H_2C-(OCH_2CH_2)_n - O(CH_2CH_2O)_n - CH_2 - COOH)_6 - (CH_2CH_2O)_n - CH_2 - COOH)_6 + CH_2CH_2O(CH_2CH_2O)_n - CH_2CH_2O(CH_2CH_2O)_n - CH_2CH_2O)_0 + CH_2CH_2O(CH_2CH_2O)_n - CH_2CH_2O)_0 + CH_2CH_2O(CH_2CH_2O)_0 + CH_2CH_2O)_0 + CH_2CH_2O(CH_2CH_2O)_0 + CH_2CH_2O)_0 + CH_2CH_2O(CH_2CH_2O)_0 + CH_2CH_2O)_0 + CH_2CH_2O(CH_2CH_2O)_0 + CH_2CH_2O)_0 + CH_2O)_0 + CH$$

Catalog #	Name and MW		Price	
8AP0301	8-Arm PEG-COOH, 5K	\$100/1g	\$400/5g	\$640/10g
8AP0302	8-Arm PEG-COOH, 10K	\$100/1g	\$400/5g	\$640/10g
8AP0303	8-Arm PEG-COOH, 20K	\$100/1g	\$400/5g	\$640/10g

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8AP0304	8-Arm PEG-COOH, 40K	\$100/1g	\$400/5g	\$640/10g
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8-arm Poly(ethylene glycol) succinate acid

$$\begin{array}{c} O\\ O\\ HOOC-CH_2CH_2-\overset{\cup}{C}-(OCH_2CH_2)_n-O\underbrace{(CH_2CH_2O)_n-\overset{O}{C}-CH_2CH_2-COOH}_{6}\\ O\\ HOOC-CH_2CH_2-\overset{\cup}{C}-(OCH_2CH_2)_n-O\underbrace{(CH_2CH_2O)_n-\overset{O}{C}-CH_2CH_2-COOH}_{6}\\ \end{array}$$

Catalog #	Name and MW		Price	
8AP0401	8-Arm PEG-SA, 5K	\$200/1g	\$800/5g	\$1,200/10g
8AP0402	8-Arm PEG-SA, 10K	\$200/1g	\$800/5g	\$1,200/10g
8AP0403	8-Arm PEG-SA, 20K	\$200/1g	\$800/5g	\$1,200/10g
8AP0404	8-Arm PEG-SA, 40K	\$200/1g	\$800/5g	\$1,200/10g

8-arm Poly(ethylene glycol) succinimidyl acid

	U U
	$(CH_2CH_2O)_n - CH_2CH_2NH - \ddot{C} - CH_2CH_2 - COOH$
0	0 0
$HOOC-CH_2CH_2-C-HNCH_2CH_2-(OCH_2CH_2)_n-O_1$	\downarrow $0-(CH_2CH_2O)_n-CH_2CH_2NH-\ddot{C}-CH_2CH_2-COOH$
	/6

Catalog #	Name and MW		Price	
8AP0501	8-Arm PEG-SAA, 5K	\$200/1g	\$800/5g	\$1,200/10g
8AP0502	8-Arm PEG-SAA, 10K	\$200/1g	\$800/5g	\$1,200/10g
8AP0503	8-Arm PEG-SAA, 20K	\$200/1g	\$800/5g	\$1,200/10g
8AP0504	8-Arm PEG-SAA, 40K	\$200/1g	\$800/5g	\$1,200/10g

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8-arm Poly(ethylene glycol) glutarate acid

	0
	(СН₂СН₂О) _n -Ё-СН₂СН₂СН₂-СООН
0 0	
$HOOC-CH_{3}CH_{3}CH_{3}-\overset{\parallel}{C}-(OCH_{3}CH_{3})_{a}-O($	\bigcirc O-(CH ₂ CH ₂ O) _n - \ddot{C} -CH ₂ CH ₂ CH ₂ -COOH

Catalog #	Name and MW		Price	
8AP0601	8-Arm PEG-GA, 5K	\$200/1g	\$800/5g	\$1,200/10g
8AP0602	8-Arm PEG-GA, 10K	\$200/1g	\$800/5g	\$1,200/10g
8AP0603	8-Arm PEG-GA, 20K	\$200/1g	\$800/5g	\$1,200/10g
8AP0604	8-Arm PEG-GA, 40K	\$200/1g	\$800/5g	\$1,200/10g

8-arm Poly(ethylene glycol) glutamidyl acid

Catalog #	Name and MW		Price	
8AP0701	8-Arm PEG-GAA, 5K	\$200/1g	\$800/5g	\$1,200/10g
8AP0702	8-Arm PEG-GAA, 10K	\$200/1g	\$800/5g	\$1,200/10g
8AP0703	8-Arm PEG-GAA, 20K	\$200/1g	\$800/5g	\$1,200/10g
8AP0704	8-Arm PEG-GAA, 40K	\$200/1g	\$800/5g	\$1,200/10g

8-arm Poly(ethylene glycol) thiol

 $HS-CH_2CH_2-(OCH_2CH_2)_n-O(+)_6O-(CH_2CH_2O)_n-CH_2CH_2-SH_6O-(CH_2CH_2O)_n-CH_2CH_2O-(CH_2CH_2O)_n-CH_2CH_2-SH_6O-(CH_2CH_2O)_n-CH_2CH_2O-(CH_2CH_2O)_n-CH_2CH_2-SH_6O-(CH_2CH_2O)_n-CH_2CH_2O-(CH_2CH_2O)_n-CH_2O-(CH_2CH_2O)_n-CH_2O-(CH_2CH_2O)_n-CH_2O-(CH_2CH_2O)_n-CH_2O-(CH_2CH_2O)_n-CH_2O-(CH_2CH_2O)_n-CH_2O-(CH_2CH_2O)_n-CH_2O-(CH_2CH_2O)_n-CH_2O-(CH_2CH_2O)_n-CH_2O-(CH_2CH_2O)_n-CH_2O-(CH_2CH_2O)_n-CH_2O-(CH_2CH_2O)_n-CH_2O-(CH_2CH_2O)_n-CH_2O-(CH_2CH_2O)_n-CH_2O-(CH_2CH_2O)_n-CH_2O-(CH_2O)_n-CH_2O-(CH_2O)_n-CH_2O-(CH_2O)_n-CH_2O-(CH_2O)_n-CH_2$

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Catalog #	Name and MW		Price	
8AP0901	8-Arm PEG-SH, 5K	\$150/1g	\$600/5g	\$960/10g
8AP0902	8-Arm PEG-SH, 10K	\$150/1g	\$600/5g	\$960/10g
8AP0903	8-Arm PEG-SH, 20K	\$150/1g	\$600/5g	\$960/10g
8AP0904	8-Arm PEG-SH, 40K	\$150/1g	\$600/5g	\$960/10g

8-arm Poly(ethylene glycol) aldehyde

$$OHC-CH_2CH_2-(OCH_2CH_2)_n - O(CH_2CH_2O)_n - CH_2CH_2 - CHO)_6 O-(CH_2CH_2O)_n - CH_2CH_2 - CHO)_0 O-(CH_2CH_2O)_0 O-(CH_2C$$

Catalog #	Name and MW		Price	
8AP1001	8-Arm PEG-CHO, 5K	\$200/1g	\$800/5g	\$1,200/10g
8AP1002	8-Arm PEG-CHO, 10K	\$200/1g	\$800/5g	\$1,200/10g
8AP1003	8-Arm PEG-CHO, 20K	\$200/1g	\$800/5g	\$1,200/10g
8AP1004	8-Arm PEG-CHO, 40K	\$200/1g	\$800/5g	\$1,200/10g

8-arm Poly(ethylene glycol) azide

$$N_3$$
-CH₂CH₂-(OCH₂CH₂)_n-O(CH₂CH₂O)_n-CH₂CH₂-N₃
 O (CH₂CH₂O)_n-CH₂CH₂-N₃
 O (CH₂CH₂O)_n-CH₂CH₂-N₃
 O (CH₂CH₂O)_n-CH₂CH₂-N₃

Catalog #	Name and MW		Price	
8AP1101	8-Arm PEG-N ₃ , 5K	\$250/1g	\$950/5g	\$1,500/10g
8AP1102	8-Arm PEG-N ₃ , 10K	\$250/1g	\$950/5g	\$1,500/10g
8AP1103	8-Arm PEG-N ₃ , 20K	\$250/1g	\$950/5g	\$1,500/10g
8AP1104	8-Arm PEG-N ₃ , 40K	\$250/1g	\$950/5g	\$1,500/10g

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8-arm Poly(ethylene glycol) alkyne

$$= -CH_2CH_2 - (OCH_2CH_2)_n - O(-CH_2CH_2O)_n - CH_2CH_2 - CH_2CH_2 - CH_2CH_2O)_n - CH_2CH_2 - C$$

Catalog #	Name and MW		Price	
8AP1201	8-Arm PEG-Alkyne, 5K	\$250/1g	\$950/5g	\$1,500/10g
8AP1202	8-Arm PEG-Alkyne, 10K	\$250/1g	\$950/5g	\$1,500/10g
8AP1203	8-Arm PEG-Alkyne, 20K	\$250/1g	\$950/5g	\$1,500/10g
8AP1204	8-Arm PEG-Alkyne, 40K	\$250/1g	\$950/5g	\$1,500/10g

8-arm Poly(ethylene glycol) acrylate

	O II
0	_∽ (CH₂CH₂O) _n −Ċ−CH=CH₂
0 	0
$H_2C=CH-C-(OCH_2CH_2)_n-O$	\downarrow \downarrow $_{6}^{O}$ (CH ₂ CH ₂ O) _n - \ddot{C} - CH=CH ₂

Catalog #	Name and MW	Price		
8AP1301	8-Arm PEG-AC, 5K	\$100/1g	\$400/5g	\$640/10g
8AP1302	8-Arm PEG-AC, 10K	\$100/1g	\$400/5g	\$640/10g
8AP1303	8-Arm PEG-AC, 20K	\$100/1g	\$400/5g	\$640/10g
8AP1304	8-Arm PEG-AC, 40K	\$100/1g	\$400/5g	\$640/10g



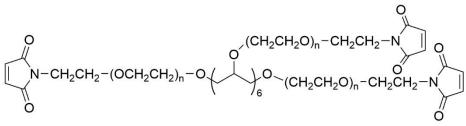
Phone: 1-678-827-9993 Fax: 1-509-696-4035 sales@advancedbiochemicals.com

8-arm Poly(ethylene glycol) methacrylate

	$O_{H_2CH_2O)_n} - C_{C-C} = CH_2$
CH_3O $H_2C=C-C-(OCH_2CH_2)_n-O$	

Catalog #	Name and MW		Price	
8AP1401	8-Arm PEG-MA, 5K	\$200/1g	\$800/5g	\$1,200/10g
8AP1402	8-Arm PEG-MA, 10K	\$200/1g	\$800/5g	\$1,200/10g
8AP1403	8-Arm PEG-MA, 20K	\$200/1g	\$800/5g	\$1,200/10g
8AP1404	8-Arm PEG-MA, 40K	\$200/1g	\$800/5g	\$1,200/10g

8-arm Poly(ethylene glycol) maleimide



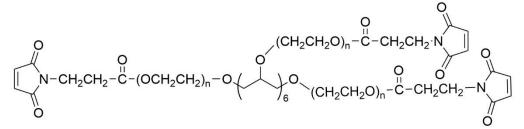
Catalog #	Name and MW		Price	
8AP1501	8-Arm PEG-MAL, 5K	\$200/1g	\$800/5g	\$1,200/10g
8AP1502	8-Arm PEG-MAL, 10K	\$200/1g	\$800/5g	\$1,200/10g
8AP1503	8-Arm PEG-MAL, 20K	\$200/1g	\$800/5g	\$1,200/10g
8AP1504	8-Arm PEG-MAL, 40K	\$200/1g	\$800/5g	\$1,200/10g

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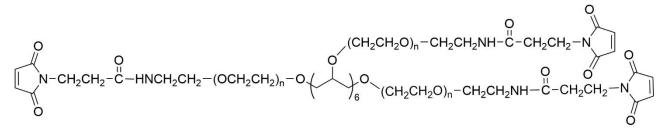
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8-arm Poly(ethylene glycol) maleimide



Catalog #	Name and MW		Price	
8AP1601	8-Arm PEG-MAL, 5K	\$200/1g	\$800/5g	\$1,200/10g
8AP1602	8-Arm PEG-MAL, 10K	\$200/1g	\$800/5g	\$1,200/10g
8AP1603	8-Arm PEG-MAL, 20K	\$200/1g	\$800/5g	\$1,200/10g
8AP1604	8-Arm PEG-MAL, 40K	\$200/1g	\$800/5g	\$1,200/10g

8-arm Poly(ethylene glycol) maleimide



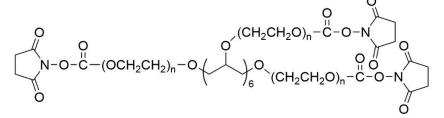
Catalog #	Name and MW		Price	
8AP1701	8-Arm PEG-MAL, 5K	\$200/1g	\$800/5g	\$1,200/10g
8AP1702	8-Arm PEG-MAL, 10K	\$200/1g	\$800/5g	\$1,200/10g
8AP1703	8-Arm PEG-MAL, 20K	\$200/1g	\$800/5g	\$1,200/10g
8AP1704	8-Arm PEG-MAL, 40K	\$200/1g	\$800/5g	\$1,200/10g

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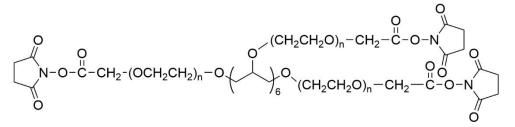
Phone: 1-678-827-9993 Fax: 1-509-696-4035 sales@advancedbiochemicals.com

8-arm Poly(ethylene glycol) succinimidyl ester



Catalog #	Name and MW		Price	
8AP1801	8-Arm PEG-SC, 5K	\$200/1g	\$800/5g	\$1,200/10g
8AP1802	8-Arm PEG-SC, 10K	\$200/1g	\$800/5g	\$1,200/10g
8AP1803	8-Arm PEG-SC, 20K	\$200/1g	\$800/5g	\$1,200/10g
8AP1804	8-Arm PEG-SC, 40K	\$200/1g	\$800/5g	\$1,200/10g

8-arm Poly(ethylene glycol) succinimidyl carboxymethyl ester



Catalog #	Name and MW		Price	
8AP1901	8-Arm PEG-SCM, 5K	\$200/1g	\$800/5g	\$1,200/10g
8AP1902	8-Arm PEG-SCM, 10K	\$200/1g	\$800/5g	\$1,200/10g
8AP1903	8-Arm PEG-SCM, 20K	\$200/1g	\$800/5g	\$1,200/10g
8AP1904	8-Arm PEG-SCM, 40K	\$200/1g	\$800/5g	\$1,200/10g

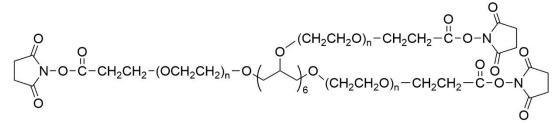
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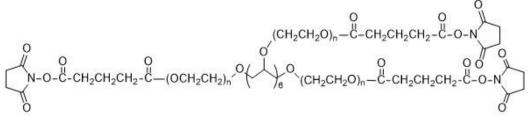
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8-arm Poly(ethylene glycol) succinimidyl succinate



Catalog #	Name and MW		Price	
8AP2001	8-Arm PEG-SS, 5K	\$100/1g	\$400/5g	\$640/10g
8AP2002	8-Arm PEG-SS, 10K	\$100/1g	\$400/5g	\$640/10g
8AP2003	8-Arm PEG-SS, 20K	\$100/1g	\$400/5g	\$640/10g
8AP2004	8-Arm PEG-SS, 40K	\$100/1g	\$400/5g	\$640/10g

8-arm Poly(ethylene glycol) succinimidyl glutarate

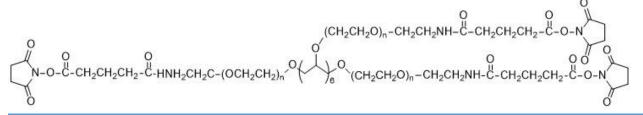


Catalog #	Name and MW		Price	
8AP2101	8-Arm PEG-SG, 5K	\$100/1g	\$400/5g	\$640/10g
8AP2102	8-Arm PEG-SG, 10K	\$100/1g	\$400/5g	\$640/10g
8AP2103	8-Arm PEG-SG, 20K	\$100/1g	\$400/5g	\$640/10g
8AP2104	8-Arm PEG-SG, 40K	\$100/1g	\$400/5g	\$640/10g



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8-arm Poly(ethylene glycol) succinimidyl glutaramide



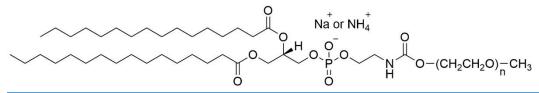
Catalog #	Name and MW		Price	
8AP2201	8-Arm PEG-SGA, 5K	\$150/1g	\$600/5g	\$960/10g
8AP2202	8-Arm PEG-SGA, 10K	\$150/1g	\$600/5g	\$960/10g
8AP2203	8-Arm PEG-SGA, 20K	\$150/1g	\$600/5g	\$960/10g
8AP2204	8-Arm PEG-SGA, 40K	\$150/1g	\$600/5g	\$960/10g



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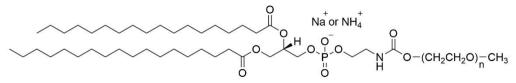
Lipid PEG Derivatives

mPEG-DPPE



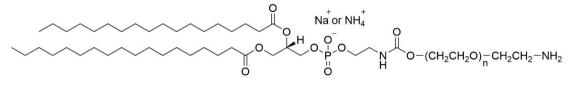
Catalog #	Name and MW	Price		
MPL0201	mPEG-DPPE, 2K	\$200/100mg	\$750/500mg	\$1,200/1g
MPL0202	mPEG-DPPE, 3.4K	\$200/100mg	\$750/500mg	\$1,200/1g
MPL0203	mPEG-DPPE, 5K	\$200/100mg	\$750/500mg	\$1,200/1g

mPEG-DSPE



Catalog #	Name and MW		Price	
MPL0301	mPEG-DSPE, 2K	\$150/1g	\$500/5g	\$800/10g
MPL0302	mPEG-DSPE, 3.4K	\$150/1g	\$500/5g	\$800/10g
MPL0303	mPEG-DSPE, 5K	\$150/1g	\$500/5g	\$800/10g

DSPE-PEG-NH2



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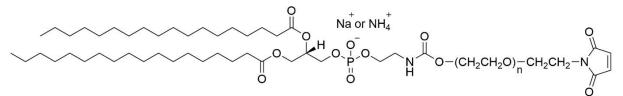


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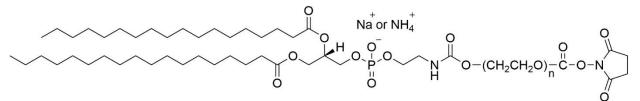
Catalog #	Name and MW	Price		
HPL0201	DSPE-PEG-NH ₂ , 2K	\$100/100mg	\$350/500mg	\$500/1g
HPL0202	DSPE-PEG-NH ₂ , 3.4K	\$100/100mg	\$350/500mg	\$500/1g
HPL0203	DSPE-PEG-NH ₂ , 5K	\$100/100mg	\$350/500mg	\$500/1g

DSPE-PEG-MAL



Catalog #	Name and MW	Price		
HPL0301	DSPE-PEG-MAL, 2K	\$150/100mg	\$500/500mg	\$800/1g
HPL0302	DSPE-PEG-MAL, 3.4K	\$150/100mg	\$500/500mg	\$800/1g
HPL0303	DSPE-PEG-MAL, 5K	\$150/100mg	\$500/500mg	\$800/1g

DSPE-PEG-NHS



Catalog #	Name and MW	Price		
HPL0401	DSPE-PEG-NHS, 2K	\$250/100mg	\$900/500mg	\$1,500/1g
HPL0402	DSPE-PEG-NHS, 3.4K	\$250/100mg	\$900/500mg	\$1,500/1g
HPL0403	DSPE-PEG-NHS, 5K	\$250/100mg	\$900/500mg	\$1,500/1g

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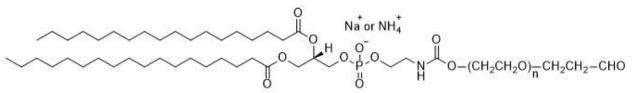
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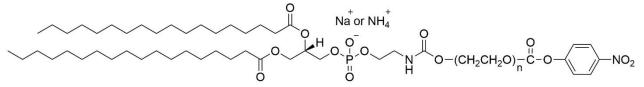
Fax: 1-509-696-4035 sales@advancedbiochemicals.com

DSPE-PEG-CHO



Catalog #	Name and MW	Price		
HPL0501	DSPE-PEG-CHO, 2K	\$250/100mg	\$900/500mg	\$1,500/1g
HPL0502	DSPE-PEG-CHO, 3.4K	\$250/100mg	\$900/500mg	\$1,500/1g
HPL0503	DSPE-PEG-CHO, 5K	\$250/100mg	\$900/500mg	\$1,500/1g

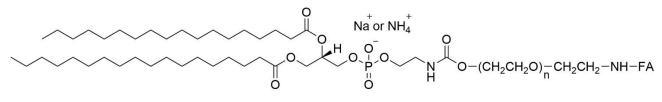
DSPE-PEG-NPC



Catalog #	Name and MW	Price		
HPL0601	DSPE-PEG-NPC, 2K	\$250/100mg	\$900/500mg	\$1,500/1g
HPL0602	DSPE-PEG-NPC, 3.4K	\$250/100mg	\$900/500mg	\$1,500/1g
HPL0603	DSPE-PEG-NPC, 5K	\$250/100mg	\$900/500mg	\$1,500/1g

DSPE-PEG-Folic Acid

USA



Name and MW Price Catalog # Advanced BioChemicals, LLC www.advancedbiochemicals.com PO Box 465066 sales@advancedbiochemical.com Lawrenceville, GA 30042 Phone: 1-678-827-9993

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Phone: 1-678-827-9993 Fax: 1-509-696-4035 sales@advancedbiochemicals.com

HPL0701	DSPE-PEG-FA, 2K	\$350/100mg	\$1,200/500mg	\$2,200/1g
HPL0702	DSPE-PEG-FA, 3.4K	\$350/100mg	\$1,200/500mg	\$2,200/1g
HPL0703	DSPE-PEG-FA, 5K	\$350/100mg	\$1,200/500mg	\$2,200/1g

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Custom Synthesis & Service

Advanced BioChemicals (ABC) PEG products include structurally and functionally diversified derivatives of linear or multi-arms polyethylene glycol reagents with a broad range of molecular weight options from -50 (oligomers) to 40 kDa.

The linear mono-functional PEG products are good surface modification reagents that can block the unwanted side reaction efficiently and increase the coupling efficiency. Linear homo-bifunctional and hetero-bifunctional PEG products are extensively used crosslinkers or spacers between two chemical entities such as nucleotides, peptides, proteins and nanoparticles. Multi-arm PEG products are mostly used to build the hydrogel networks.

We also provide PEG products custom synthesis service for those PEG products with special functional groups and molecular weight that may not be listed. If you have any questions regarding this information, please don't hesitate to contact us at:

Advanced BioChemicals, LLC PO Box 465066 Lawrenceville, GA 30042, USA

Email: info@advancedbiochemicals.com Phone: +1-678-827-9993 Fax: +1-509-696-4035

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Product Storage Instructions

Since PEG reagents are temperature, light and moisture sensitive,

- PEG reagents should be stored under inert gas at -15°C to -20 °C,
- PEG reagents should always be kept away from light,
- It is highly suggested to slowly warm up the bottle to room temperature before opening it,
- After sample is withdrawn, product should be refilled with inert gas (i.e. nitrogen or argon), and
- We recommend that PEG reagents are stored in the original form as received and not in any type of solution.



Phone: 1-678-827-9993 Fax: 1-509-696-4035 sales@advancedbiochemicals.com

Order Information

To place an order with credit card:

• Please use our secure online order system or provide credit card information by Fax: (+1)509-696-4035; Email: <u>sales@advancedbiochemicals.com</u>; Tel: (+1)678-827-9993.

To place an order with a Purchase Order (PO) number:

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- Visit our website <u>www.advancedbiochemicals.com</u> to get the latest product information and promotions;
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