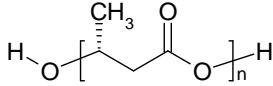
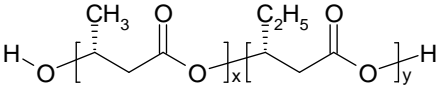


Content

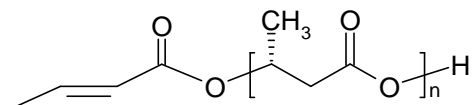
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1. Biodegradable Polymers and Copolymers

1.1. Poly((R)-3-hydroxyalkanoate)s (PHA)s, natural polymers

Cat #	Product name	Molecular weight (Mw)	Chemical Structure
1-01-1	Poly((R)-3-hydroxybutyrate) [26063-00-3]	470000	
1-02-10	Poly((R)-3-hydroxybutyrate/valerate) (10mol% V)		
1-02-20	Poly(3(R)-hydroxybutyrate/valerate) (20mol% V)		

1.2. Low Molecular Weight Poly((R)-3-hydroxybutyrate) (LMW PHB)



Cat #	Product name	Molecular weight (Mn)	Mw/Mn
2-01-500	PHB-500	~500	1.1-1.2
2-01-1000	PHB-1000	~1000	1.1-1.2
2-01-1500	PHB-1500	~1500	1.1-1.2
2-01-2000	PHB-2000	~2000	1.1-1.4
2-01-2500	PHB-2500	~2500	1.1-1.4
2-01-3000	PHB-3000	~3000	1.1-1.4
2-01-4000	PHB-4000	~4000	1.1-1.5
2-01-5000	PHB-5000	~5000	1.2-1.5
2-01-6000	PHB-6000	~6000	1.2-1.5
2-01-8000	PHB-8000	~8000	1.2-1.8
2-01-10000	PHB-10000	~10000	1.3-1.8

The molecular weights (Mn, Mw, Mp) are determined for each lot when a product is produced.

1.3. PCL, PLA, PLGA polymers and copolymers

Poly(ϵ -caprolactone)s (**PCL**) with different molecular weights

mono-OH end: mPCL-OH, Cat No.: mPCL-XXXX; **diols:** HO-PCL-OH, Cat No.: PCL-XXXX

Poly(D,L-lactide)s (**PLA**) and poly(L-lactide)s (**PLLA**) with different molecular weights

mono-OH end: mPLA-OH, Cat No.: mPLA-XXXX; **diols:** HO-PLA-OH, Cat No.: PLA-XXXX;
mono-OH end: mPLLA-OH, Cat No.: mPLLA-XXXX; **diols:** HO-PLLA-OH, Cat No.: PLLA-XXXX

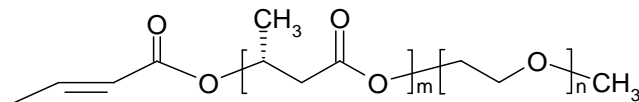
Poly(lactide/glycolide) (**PLGA(x/y)**) with different ratios of LA to GA and with different molecular weights

mono-OH end: mPLGA-OH, Cat No.: mPLGA-x/y-XXXX; **x/y is the molar ratio of LA to GA**
diols: HO-PLGA-OH, Cat No.: PLGA-x/y-XXXX, **x/y is the molar ratio of LA to GA**

where xxxx is the molecular weight.

2. Biodegradable Block Copolymers

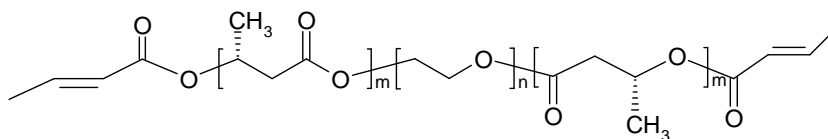
2.1. Poly((R)-3-hydroxybutyrate)-b-poly(ethylene glycol) block copolymers (PHB-b-PEG) (3-201)



Cat #	Product name	Molecular weight (Mn)	Mw/Mn
3-201-500/mPEG	PHB(500)-b-PEG	PHB:500 / PEG: as required	1.1-1.4
3-201-1000/mPEG	PHB(1000)-b-PEG	PHB:1000 / PEG: as required	1.1-1.4
3-201-2000/mPEG	PHB(2000)-b-PEG	PHB:2000 / PEG: as required	1.1-1.4
3-201-3000/mPEG	PHB(3000)-b-PEG	PHB:3000 / PEG: as required	1.2-1.5
3-201-4000/mPEG	PHB(4000)-b-PEG	PHB:4000 / PEG: as required	1.2-1.5
3-201-5000/mPEG	PHB(5000)-b-PEG	PHB:5000 / PEG: as required	1.2-1.8

mPEG molecular weight could be selected from 350, 750, 1k, 2k, 3k, 4k, 5k, etc. The molecular weights of a product are determined for each lot when it is produced.

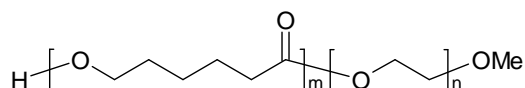
2.2. Poly((R)-3-hydroxybutyrate)-b-poly(ethylene glycol)-b-Poly((R)-3-hydroxybutyrate) triblock copolymers (PHB-b-PEG-b-PHB) (4-201-)



Cat #	Product name	Molecular weight (Mn)	Mw/Mn
4-201-PHB/600/PHB	PHB-b-PEG(600)-b-PHB	PHB: as required / PEG:600	1.1-1.6
4-201-PHB/1000/PHB	PHB-b-PEG(1000)-b-PHB	PHB: as required / PEG:1000	1.1-1.6
4-201-PHB/2000/PHB	PHB-b-PEG(2000)-b-PHB	PHB: as required / PEG:2000	1.1-1.6
4-201-PHB/4000/PHB	PHB-b-PEG(4000)-b-PHB	PHB: as required / PEG:4000	1.1-1.6
4-201-PHB/6000/PHB	PHB-b-PEG(6000)-b-PHB	PHB: as required / PEG:6000	1.1-1.6
4-201-PHB/8000/PHB	PHB-b-PEG(8000)-b-PHB	PHB: as required / PEG:8000	1.1-1.6
4-201-PHB/10000/PHB	PHB-b-PEG(10K)-b-PHB	PHB: as required / PEG:10000	1.1-1.6

Block copolymers can be ordered with specified molecular weight and molecular weight ratio.

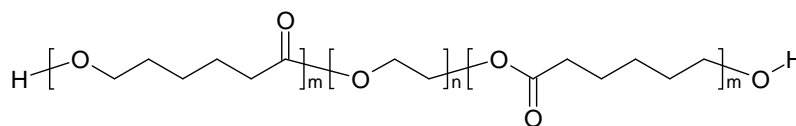
2.3. Block copolymers of poly(ethylene glycol) and poly(ϵ -caprolactone) (PCL-*b*-PEG or mPEG-*b*-PCL) (5-01-)



Cat #	Product name	Molecular weight (Mn)	Mw/Mn
5-01-PCL/350	PCL- <i>b</i> -PEG(350)	PCL: as required / mPEG: 350	1.1-1.2
5-01-PCL/750	PCL- <i>b</i> -PEG(750)	PCL: as required / mPEG: 750	1.1-1.2
5-01-PCL/1000	PCL- <i>b</i> -PEG(1000)	PCL: as required / mPEG: 1000	1.1-1.2
5-01-PCL/2000	PCL- <i>b</i> -PEG(2000)	PCL: as required / mPEG: 2000	1.1-1.2
5-01-PCL/3000	PCL- <i>b</i> -PEG(3000)	PCL: as required / mPEG: 3000	1.1-1.2
5-01-PCL/4000	PCL- <i>b</i> -PEG(4000)	PCL: as required / mPEG: 4000	1.1-1.2
5-01-PCL/5000	PCL- <i>b</i> -PEG(5000)	PCL: as required / mPEG: 5000	1.1-1.2
5-01-PCL/6000	PCL- <i>b</i> -PEG(6000)	PCL: as required / mPEG: 6000	1.1-1.2
5-01-PCL/7500	PCL- <i>b</i> -PEG (7500)	PCL: as required / mPEG: 7500	1.1-1.2
5-01-PCL/10000	PCL- <i>b</i> -PEG(10000)	PCL: as required / mPEG: 10000	1.1-1.2
5-01-PCL/PEG	PCL- <i>b</i> -PEG	PCL: as required/ mPEG: as required	1.1-1.2

Orders can be placed with specified molecular weight and molecular ratios, even for those not listed.

2.4 PCL-*b*-PEG-*b*-PCL BAB type triblock copolymers (5-02-)

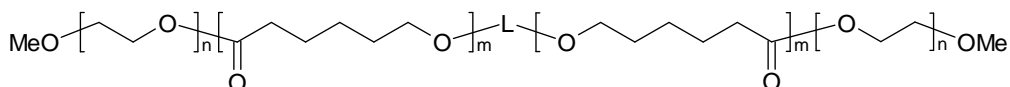


Cat #	Product name	Molecular weight (Mn)	Mw/Mn
5-02-PCL/300/PCL	PCL- <i>b</i> -PEG(300)- <i>b</i> -PCL	PCL: as required / PEG: 300	1.1-1.2
5-02-PCL/600/PCL	PCL- <i>b</i> -PEG(600)- <i>b</i> -PCL	PCL: as required / PEG: 600	1.1-1.2
5-02-PCL/1000/PCL	PCL- <i>b</i> -PEG(1000)- <i>b</i> -PCL	PCL: as required / PEG: 1000	1.1-1.2
5-02-PCL/1500/PCL	PCL- <i>b</i> -PEG(1500)- <i>b</i> -PCL	PCL: as required / PEG: 1500	1.1-1.2
5-02-PCL/2000/PCL	PCL- <i>b</i> -PEG(2000)- <i>b</i> -PCL	PCL: as required / PEG: 2000	1.1-1.2
5-02-PCL/4000/PCL	PCL- <i>b</i> -PEG(4000)- <i>b</i> -PCL	PCL: as required / PEG: 4000	1.1-1.2

5-02-PCL/6000/PCL	PCL-b-PEG(6000)-b-PCL	PCL: as required / PEG: 6000	1.1-1.2
5-02-PCL/8000/PCL	PCL-b-PEG(8000)-b-PCL	PCL: as required / PEG: 8000	1.1-1.2
5-02-PCL/10000/PCL	PCL-b-PEG(10000)-b-PCL	PCL: as required / PEG: 10000	1.1-1.2
5-02-PCL/20000/PCL	PCL-b-PEG(20000)-b-PCL	PCL: as required / PEG: 20000	1.1-1.2

Orders can be placed with specified molecular weight and molecular ratios, even for those not listed.

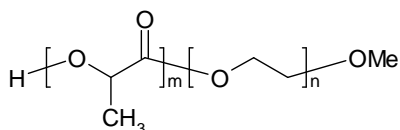
2.5 Triblock copolymers of poly(ϵ -caprolactone) with methoxypoly(ethylene glycol) (PEG-PCL-PEG) (5-03-)



Cat #	Product name	Molecular weight (Mn)	Mw/Mn
5-03-1000/PCL/1000	PEG(1000)-b-PCL-PEG(1000)	PCL: as required / PEG: 1000	1.1-1.3
5-02-2000/PCL/2000	PEG(2000)-b-PCL-PEG(2000)	PCL: as required / PEG: 2000	1.1-1.3
5-02-5000/PCL/5000	PEG(5000)-b-PCL-b-PEG(5000)	PCL: as required / PEG: 5000	1.1-1.3

Orders can be placed with specified molecular weight and molecular ratios, even for those not listed.

2.6 Diblock copolymers of poly(ethylene glycol) and poly(lactide) (mPEG-b-PLA or PLA-b-PEG) (6-01-)



Cat #	Product name	Molecular weight (Mn)	Mw/Mn
6-01-PLA/350	PLA-b-PEG (350) or mPEG(350)-b-PLA	PLA: as required/mPEG: 350	1.1-1.2
6-01-PLA/750	PLA-b-PEG (750)	PLA: as required/mPEG: 750	1.1-1.2
6-01- PLA/1000	PLA-b-PEG (1000)	PLA: as required /mPEG: 1000	1.1-1.2
6-01- PLA/2000	PLA-b-PEG (2000)	PLA: as required /mPEG: 2000	1.1-1.2
6-01- PLA/3000	PLA-b-PEG (3000)	PLA: as required /mPEG: 3000	1.1-1.2
6-01- PLA/4000	PLA-b-PEG (4000)	PLA: as required /mPEG: 4000	1.1-1.2
6-01-PLA/5000	PLA-b-PEG (5000)	PLA: as required /mPEG: 5000	1.1-1.2
6-01-PLA/6000	PLA-b-PEG (6000)	PLA: as required /mPEG: 6000	1.1-1.2

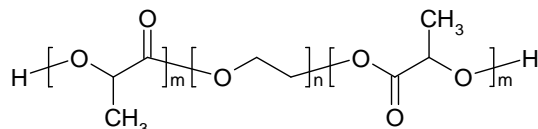
6-01-PLA/7500	PLA-b-PEG (7500)	PLA: as required /mPEG: 7500	1.1-1.2
6-01-PLA/10000	PLA-b-PEG (10000)	PLA: as required /mPEG: 10000	1.1-1.2
6-01-PLA/20000	PLA-b-PEG (20000)	PLA: as required /mPEG: 20000	1.1-1.2

Orders can be placed with specified molecular weight and molecular ratios, even for those not listed.

Here PLA means poly(D,L-lactide)

You can also place an order for poly(L-lactide) block copolymers, for example, PLLA(10k)-PEG(5k).

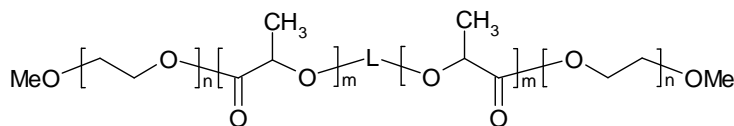
2.7. Poly(lactide)-b-poly(ethylene glycol)-b-Poly(lactide) BAB type triblock copolymers (6-02-)



Cat #	Product name	Molecular weight (Mn)	Mw/Mn
6-02-PLA/300/PLA	PLA-b-PEG(300)-b-PLA	PLA: as require / PEG: 300	1.1-1.2
6-02-PLA/600/PLA	PLA-b-PEG(600)-b-PLA	PLA: as require / PEG: 600	1.1-1.2
6-02-PLA/1000/PLA	PLA-b-PEG(1000)-b-PLA	PLA: as require / PEG: 1000	1.1-1.2
6-02-PLA/1500/PLA	PLA-b-PEG(1500)-b-PLA	PLA: as require / PEG: 1500	1.1-1.2
6-02-PLA/2000/PLA	PLA-b-PEG(2000)-b-PLA	PLA: as require / PEG: 2000	1.1-1.2
6-02-PLA/4000/PLA	PLA-b-PEG(4000)-b-PLA	PLA: as require / PEG: 4000	1.1-1.2
6-02-PLA/6000/PLA	PLA-b-PEG(6000)-b-PLA	PLA: as require / PEG: 6000	1.1-1.2
6-02-PLA/8000/PLA	PLA-b-PEG(8000)-b-PLA	PLA: as require / PEG: 8000	1.1-1.2
6-02-PLA/10000/PLA	PLA-b-PEG(10000)-b-PLA	PLA: as require / PEG: 10000	1.1-1.2
6-02-PLA/20000/PLA	PLA-b-PEG(20000)-b-PLA	PLA: as require / PEG: 20000	1.1-1.2

Orders can be placed with specified molecular weight and molecular ratios, even for those not listed.

2.8 Triblock copolymers of poly(lactide) with methoxypoly(ethylene glycol) (PEG-PLA-PEG) (6-03-)

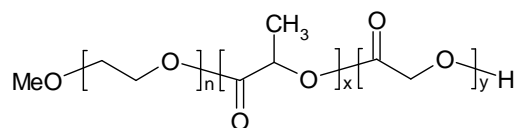


Cat #	Product name	Molecular weight (Mn)	Mw/Mn
6-03-350/PLA/350	PEG(350)-b-PLA-PEG(350)	PLA: as required / PEG: 350	1.1-1.3

6-03-750/PLA/750	PEG(750)-b-PLA-PEG(750)	PLA: as required / PEG: 750	1.1-1.3
6-03-1000/PLA/1000	PEG(1000)-b-PLA-PEG(1000)	PLA: as required / PEG: 1000	1.1-1.3
6-03-2000/PLA/2000	PEG(2000)-b-PLA-PEG(2000)	PLA: as required / PEG: 2000	1.1-1.3
6-03-3000/PLA/3000	PEG(3000)-b-PLA-b-PEG(3000)	PLA: as required / PEG: 3000	1.1-1.3
6-03-4000/PLA/4000	PEG(4000)-b-PLA-b-PEG(4000)	PLA: as required / PEG: 4000	1.1-1.3
6-03-5000/PLA/5000	PEG(5000)-b-PLA-b-PEG(5000)	PLA: as required / PEG: 5000	1.1-1.3
6-03-7500/PLA/7500	PEG(7500)-b-PLA-b-PEG(7500)	PLA: as required / PEG: 7500	1.1-1.3
6-03-10k/PLA/10k	PEG(10k)-b-PLA-b-PEG(10k)	PLA: as required / PEG: 10k	1.1-1.3
6-03-PEG/PLA/PEG	PEG-b-PLA-b-PEG	PLA: as required / PEG: as required	1.1-1.3

Orders can be placed with specified molecular weight and molecular ratios, even for those not listed.

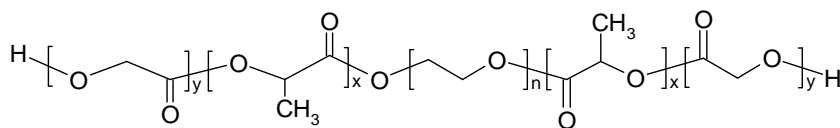
2.9 Diblock copolymers of poly(ethylene glycol) and poly(lactide/glycolide) (mPEG-*b*-PLGA or PLGA-*b*-PEG) (6-04-)



Cat #	Product name	Molecular weight (Mn)	Mw/Mn
6-04-x/y-PLGA/350	PLGA(x/y)-b-PEG (350) or mPEG(350)-b-PLGA(x/y)	PLGA(x/y): as required/mPEG: 350	1.1-1.2
6-04- x/y-PLGA /750	PLGA(x/y)-b-PEG (750)	PLGA(x/y): as required/mPEG: 750	1.1-1.2
6-04- x/y-PLGA /1000	PLGA(x/y)-b-PEG (1000)	PLGA(x/y): as required /mPEG: 1000	1.1-1.2
6-04- x/y-PLGA /2000	PLGA(x/y)-b-PEG (2000)	PLGA(x/y): as required /mPEG: 2000	1.1-1.2
6-04- x/y-PLGA /3000	PLGA(x/y)-b-PEG (3000)	PLGA(x/y): as required /mPEG: 3000	1.1-1.2
6-04- x/y-PLGA /4000	PLGA(x/y)-b-PEG (4000)	PLGA(x/y): as required /mPEG: 4000	1.1-1.2
6-04- x/y-PLGA /5000	PLGA(x/y)-b-PEG (5000)	PLGA(x/y): as required /mPEG: 5000	1.1-1.2
6-04- x/y-PLGA /6000	PLGA(x/y)-b-PEG (6000)	PLGA(x/y): as required /mPEG: 6000	1.1-1.2
6-04- x/y-PLGA /7500	PLGA(x/y)-b-PEG (7500)	PLGA(x/y): as required /mPEG: 7500	1.1-1.2
6-04- x/y-PLGA /10000	PLGA(x/y)-b-PEG (10000)	PLGA(x/y): as required /mPEG: 10000	1.1-1.2
6-04- x/y-PLGA /20000	PLGA(x/y)-b-PEG (20000)	PLGA(x/y): as required /mPEG: 20000	1.1-1.3

Where x/y is the ratio of LA to GA. For example, 85/15, 75/25, 50/50, etc
 Orders can be placed with specified molecular weight and molecular ratios, even for those not listed.

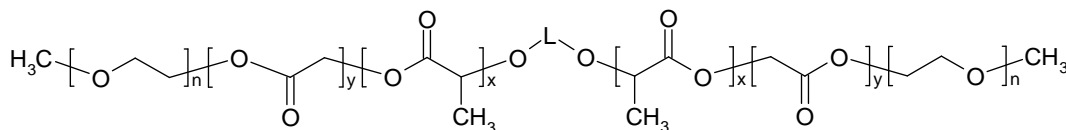
2.10 Triblock copolymers of poly(ethylene glycol) and poly(lactide/glycolide) (PLGA-b-PEG-b-PLGA) (6-05-)



Cat #	Product name	Molecular weight (Mn)	Mw/Mn
6-05-x/y-PLGA/300/PLGA	PLGA(x/y)-b-PEG(300)-b-PLGA(x/y)	PLGA(x/y): as require / PEG: 300	1.1-1.2
6-05- x/y-PLGA/600/PLGA	PLGA(x/y)-b-PEG(600)-b-PLGA(x/y)	PLGA(x/y): as require / PEG: 600	1.1-1.2
6-05- x/y-PLGA/1000/PLGA	PLGA(x/y)-b-PEG(1000)-b-PLGA(x/y)	PLGA(x/y): as require / PEG: 1000	1.1-1.2
6-05- x/y-PLGA/1500/PLGA	PLGA(x/y)-b-PEG(1500)-b-PLGA(x/y)	PLGA(x/y): as require / PEG: 1500	1.1-1.2
6-05- x/y-PLGA/2000/PLGA	PLGA(x/y)-b-PEG(2000)-b-PLGA(x/y)	PLGA(x/y): as require / PEG: 2000	1.1-1.2
6-05- x/y-PLGA/4000/PLGA	PLGA(x/y)-b-PEG(4000)-b-PLGA(x/y)	PLGA(x/y): as require / PEG: 4000	1.1-1.2
6-05- x/y-PLGA/6000/PLGA	PLGA(x/y)-b-PEG(6000)-b-PLGA(x/y)	PLGA(x/y): as require / PEG: 6000	1.1-1.2
6-05- x/y-PLGA/8000/PLGA	PLGA(x/y)-b-PEG(8000)-b-PLGA(x/y)	PLGA(x/y): as require / PEG: 8000	1.1-1.2
6-05- x/y-PLGA/10000/PLGA	PLGA(x/y)-b-PEG(10000)-b-PLGA(x/y)	PLGA(x/y): as require / PEG: 10000	1.1-1.2
6-05- x/y-PLGA/20000/PLGA	PLGA(x/y)-b-PEG(20000)-b-PLGA(x/y)	PLGA(x/y): as require / PEG: 20000	1.1-1.2

Where x/y is the ratio of LA to GA. For example, 85/15, 75/25, 50/50, etc
 Orders can be placed with specified molecular weight and molecular ratios, even for those not listed.

2.11 Triblock copolymers of poly(lactide/glycolide) with methoxypoly(ethylene glycol) (PEG-PLGA-PEG) (6-06-)



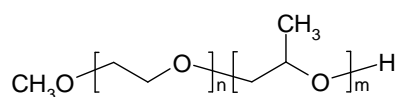
Cat #	Product name	Molecular weight (Mn)	Mw/Mn
6-06-x/y-350/PLGA/350	PEG(350)-b-PLGA-PEG(350)	PLGA(x/y): as required / PEG: 350	1.1-1.4
6-06-x/y-750/PLGA/750	PEG(750)-b-PLGA-PEG(750)	PLGA(x/y): as required / PEG: 750	1.1-1.4
6-06-x/y-1000/PLGA/1000	PEG(1000)-b-PLGA-PEG(1000)	PLGA(x/y): as required / PEG: 1000	1.1-1.4
6-06-x/y-2000/PLGA/2000	PEG(2000)-b-PLGA-PEG(2000)	PLGA(x/y): as required / PEG: 2000	1.1-1.4
6-06-x/y-3000/PLGA/3000	PEG(3000)-b-PLGA-b-PEG(3000)	PLGA(x/y): as required / PEG: 3000	1.1-1.4

6-06-x/y-4000/PLGA/4000	PEG(4000)-b-PLGA-b-PEG(4000)	PLGA(x/y): as required / PEG: 4000	1.1-1.4
6-06-x/y-5000/PLGA/5000	PEG(5000)-b-PLGA-b-PEG(5000)	PLGA(x/y): as required / PEG: 5000	1.1-1.4
6-06-x/y-7500/PLGA/7500	PEG(7500)-b-PLGA-b-PEG(7500)	PLGA(x/y): as required / PEG: 7500	1.1-1.4
6-06-x/y-10k/PLGA/10k	PEG(10k)-b-PLGA-b-PEG(10k)	PLGA(x/y): as required / PEG: 10k	1.1-1.4
6-06-x/y-PEG/PLGA/PEG	PEG-b-PLGA(x/y)-b-PEG	PLGA(x/y): as required / PEG: as required	1.1-1.4

Where x/y is the ratio of LA to GA. For example, 85/15, 75/25, 50/50, etc
Orders can be placed with specified molecular weight and molecular ratios, even for those not listed.

3. Oxirane Block Copolymers

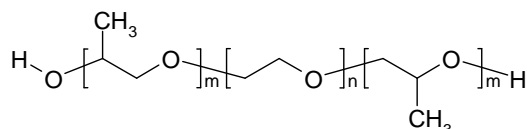
3.1. PEO/PPO AB type diblock copolymers (PEO-*b*-PPO or PPO-*b*-PEO) (7-01-)



Cat #	Product name	Molecular weight (Mn)	Mw/Mn
7-01-8/n	(EO) ₈ -(PO) _m	mPEO: 350; PPO: as required	1.1
7-01-17/n	(EO) ₁₇ -(PO) _m	mPEO: 750; PPO: as required	1.1
7-01-23/n	(EO) ₂₃ -(PO) _m	mPEO: 1000; PPO: as required	1.1
7-01-45/n	(EO) ₄₅ -(PO) _m	mPEO: 2000; PPO: as required	1.1
7-01-68/n	(EO) ₆₈ -(PO) _m	mPEO: 3000; PPO: as required	1.1
7-01-90/n	(EO) ₉₀ -(PO) _m	mPEO: 4000; PPO: as required	1.1
7-01-114/n	(EO) ₁₁₄ -(PO) _m	mPEO: 5000; PPO: as required	1.1
7-01-136/n	(EO) ₁₃₆ -(PO) _m	mPEO: 6000; PPO: as required	1.1
7-01-170/n	(EO) ₁₇₀ -(PO) _m	mPEO: 7500; PPO: as required	1.1
7-01-227/n	(EO) ₂₂₇ -(PO) _m	mPEO: 10000; PPO: as required	1.1
7-01-454/n	(EO) ₄₅₄ -(PO) _m	mPEO: 20000; PPO: as required	1.1

Orders may be placed with specified molecular weight and molecular ratios, even for those not listed.

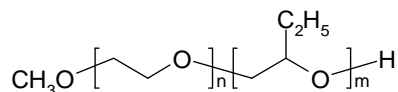
3.2. PEO/PPO BAB type triblock copolymer (7-03-)



Cat #	Product name	Molecular weight (Mn)	Mw/Mn
7-03-n/8/n	poly(oxypropylene)- <i>b</i> -poly(oxyethylene)- <i>b</i> -poly(oxypropylene) (PO) _m -(EO) ₇ -(PO) _m	PPO: as required / PEO: 300	1.1
7-03-n/14/n	(PO) _m -(EO) ₁₄ -(PO) _m	PPO: as required / PEO: 600	1.1
7-03-n/23/n	(PO) _m -(EO) ₂₃ -(PO) _m	PPO: as required / PEO: 1000	1.1
7-03-n/45/n	(PO) _m -(EO) ₄₅ -(PO) _m	PPO: as required / PEO: 2000	1.1
7-03-n/90/n	(PO) _m -(EO) ₉₀ -(PO) _m	PPO: as required / PEO: 4000	1.1
7-03-n/136/n	(PO) _m -(EO) ₁₃₆ -(PO) _m	PPO: as required / PEO: 6000	1.1
7-03-n/181/n	(PO) _m -(EO) ₁₈₁ -(PO) _m	PPO: as required / PEO: 8000	1.1
7-03-n/225/n	(PO) _m -(EO) ₂₂₅ -(PO) _m	PPO: as required / PEO: 10000	1.1
7-03-n/450/n	(PO) _m -(EO) ₄₅₀ -(PO) _m	PPO: as required / PEO: 20000	1.1

Orders may be placed with specified molecular weight and molecular ratios, even for those not listed.

3.3. PEO/PBO AB type diblock copolymers (PEO-*b*-PBO or PBO-*b*-PEO) (8-01-)

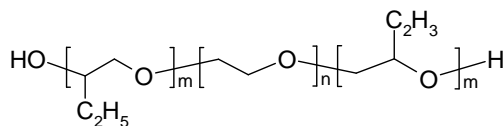


Cat #	Product name	Molecular weight (Mn)	Mw/Mn
8-01-8/n	poly(oxyethylene)- <i>b</i> -poly(oxybutylene) (EO) ₈ -(BO) _m	mPEO: 350; PBO: as required	1.1
8-01-17/n	(EO) ₁₇ -(BO) _m	mPEO: 750; PBO: as required	1.1
8-01-23/n	(EO) ₂₃ -(BO) _m	mPEO: 1000; PBO: as required	1.1
8-01-45/n	(EO) ₄₅ -(BO) _m	mPEO: 2000; PBO: as required	1.1
8-01-68/n	(EO) ₆₈ -(BO) _m	mPEO: 3000; PBO: as required	1.1
8-01-90/n	(EO) ₉₀ -(BO) _m	mPEO: 4000; PBO: as required	1.1
8-01-114/n	(EO) ₁₁₄ -(BO) _m	mPEO: 5000; PBO: as required	1.1
8-01-136/n	(EO) ₁₃₆ -(BO) _m	mPEO: 6000; PBO: as required	1.1
8-01-170/n	(EO) ₁₇₀ -(BO) _m	mPEO: 7500; PBO: as required	1.1
8-01-227/n	(EO) ₂₂₇ -(BO) _m	mPEO: 10000; PBO: as required	1.1

8-01-454/n	(EO) ₄₅₄ -(BO) _m	mPEO: 20000; PBO: as required	1.1
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Orders may be placed with specified molecular weight and molecular ratios, even for those not listed.

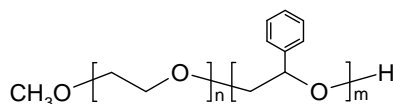
3.4. PEO/PBO BAB type triblock copolymers (8-03-)



Cat #	Product name	Molecular weight (Mn)	Mw/Mn
8-03-n/8/n	poly(oxybutylene)-b-poly(oxyethylene)-b-poly(oxybutylene) or (BO) _m -(EO) ₇ -(BO) _m	PBO: as required / PEO: 300	1.1
8-03-n/17/n	(BO) _m -(EO) ₁₄ -(BO) _m	PBO: as required / PEO: 600	1.1
8-03-n/23/n	(BO) _m -(EO) ₂₃ -(BO) _m	PBO: as required / PEO: 1000	1.1
8-03-n/45/n	(BO) _m -(EO) ₄₅ -(BO) _m	PBO: as required / PEO: 2000	1.1
8-03-n/90/n	(BO) _m -(EO) ₉₀ -(BO) _m	PBO: as required / PEO: 4000	1.1
8-03-n/136/n	(BO) _m -(EO) ₁₃₆ -(BO) _m	PBO: as required / PEO: 6000	1.1
8-03-n/181/n	(BO) _m -(EO) ₁₈₁ -(BO) _m	PBO: as required / PEO: 8000	1.1
8-03-n/225/n	(BO) _m -(EO) ₂₂₅ -(BO) _m	PBO: as required / PEO: 10000	1.1
8-03-n/450/n	(BO) _m -(EO) ₄₅₀ -(BO) _m	PBO: as required / PEO: 20000	1.1

Orders may be placed with specified molecular weight and molecular ratios, even for those not listed.

3.5. PEO/PSO AB type diblock copolymers (PEO-b-PSO or PSO-b-PEO) (9-01-)

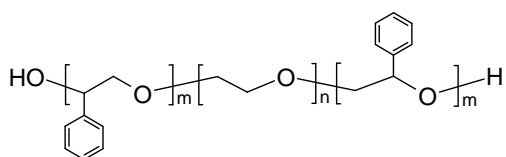


Cat #	Product name	Molecular weight (Mn)	Mw/Mn
9-01-8/n	poly(oxyethylene)-b-poly(oxystyrene) PEO-b-PSO (350/600) or (EO) ₈ -(SO) ₅	mPEO: 350; PSO: as required	1.1
9-01-17/n	(EO) ₁₇ -(SO) _m	mPEO: 750; PSO: as required	1.1
9-01-23/n	(EO) ₂₃ -(SO) _m	mPEO: 1000; PSO: as required	1.1
9-01-45/n	(EO) ₄₅ -(SO) _m	mPEO: 2000; PSO: as required	1.1
9-01-68/n	(EO) ₆₈ -(SO) _m	mPEO: 3000; PSO: as required	1.1

9-01-90/n	(EO) ₁₁₄ -(SO) _m	mPEO: 4000; PSO: as required	1.1
9-01-114/n	(EO) ₁₁₄ -(SO) _m	mPEO: 5000; PSO: as required	1.1
9-01-136/n	(EO) ₁₃₆ -(SO) _m	mPEO: 6000; PSO: as required	1.1
9-01-170/n	(EO) ₁₇₀ -(SO) _m	mPEO: 7500; PSO: as required	1.1
9-01-227/n	(EO) ₂₂₇ -(SO) _m	mPEO: 10000; PSO: as required	1.1
9-01-450/n	(EO) ₄₅₀ -(SO) _m	mPEO: 20000; PSO: as required	1.1

Orders may be placed with specified molecular weight and molecular ratios, even for those not listed.

3.6. PEO/PSO BAB type triblock copolymers (9-03-)

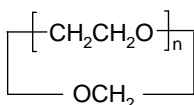


Cat #	Product name	Molecular weight (Mn)	Mw/Mn
9-03-n/23/n series	poly(oxystyrene)-b-poly(oxyethylene)-b-poly(oxystyrene) PSO-b-PEO-b-PSO (SO) _m -(EO) ₂₃ -(SO) _m	PSO: as required / PEO:1000	1.1
9-03-n/45/n series	(SO) _m -(EO) ₄₅ -(SO) _m	PSO: as required / PEO:2000	1.1
9-03-n/90/n	(SO) _m -(EO) ₉₀ -(SO) _m	PSO: as required / PEO:4000	1.1
9-03-n/136/n	(SO) _m -(EO) ₁₃₆ -(SO) _m	PSO: as required / PEO: 6000	1.1
9-03-n/181/n	(SO) _m -(EO) ₁₈₁ -(SO) _m	PSO: as required / PEO: 8000	1.1
9-03-n/225/n	(SO) _m -(EO) ₂₂₅ -(SO) _m	PSO: as required / PEO: 10000	1.1
9-03-n/450/n	(SO) _m -(EO) ₄₅₀ -(SO) _m	PSO: as required / PEO: 20000	1.1

Orders may be placed with specified molecular weight and molecular ratios, even for those not listed.

4. Cyclic Polymers and Copolymers

4.1. Cyclic poly(oxyethylene) with acetal linkage (10-01)

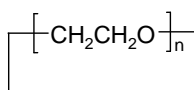


Cat #	Product name	Molecular weight (Mn)	Purity
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10-01-600	Cyclo-poly(oxyethylene)-600	PEO: 600	>90 %
10-01-1000	Cyclo-poly(oxyethylene)-1000	PEO: 1000	>90 %
10-01-1500	Cyclo-poly(oxyethylene)-1500	PEO: 1500	>90 %
10-01-2000	Cyclo-poly(oxyethylene)-2000	PEO: 2000	>90 %
10-01-4000	Cyclo-poly(oxyethylene)-4000	PEO: 4000	>90 %
10-01-6000	Cyclo-poly(oxyethylene)-6000	PEO: 6000	>90 %
10-01-8000	Cyclo-poly(oxyethylene)-8000	PEO: 8000	>90 %
10-01-10000	Cyclo-poly(oxyethylene)-10000	PEO: 10000	>90 %
10-01-20000	Cyclo-poly(oxyethylene)-20000	PEO: 20000	>90 %

For quotes, or any other inquiries, feel free to contact us at info@apmpolymers.com

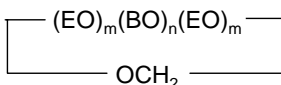
4.2. Cyclic poly(oxyethylene) large crown ether (10-02)



Cat #	Product name	Molecular weight (Mn)	Purity
10-02-600	Cyclo-poly(oxyethylene)-600	PEO: 600	>90 %
10-02-1000	Cyclo-poly(oxyethylene)-1000	PEO: 1000	>90 %
10-02-1500	Cyclo-poly(oxyethylene)-1500	PEO: 1500	>90 %
10-02-2000	Cyclo-poly(oxyethylene)-2000	PEO: 2000	>90 %
10-02-4000	Cyclo-poly(oxyethylene)-4000	PEO: 4000	>90 %
10-02-6000	Cyclo-poly(oxyethylene)-6000	PEO: 6000	>90 %
10-02-8000	Cyclo-poly(oxyethylene)-8000	PEO: 8000	>90 %
10-02-10000	Cyclo-poly(oxyethylene)-10000	PEO: 10000	>90 %

For quotes, or any other inquiries, feel free to contact us at info@apmpolymers.com

4.3. Cyclic bloc copolymers of poly(ethylene oxide) and poly(1,2-butylene oxide) (10-03)

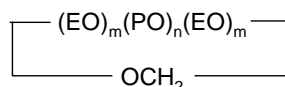


Cat #	Product name	Molecular weight (Mn)	Purity
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10-03-2 m/n	Cyclo-poly(oxyethylene)-b-poly(oxybutylene) (2m/n)	2m/n	>90 %
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Please specify the molecular weight when you order these cyclics.

4.4. Cyclic bloc copolymers of poly(ethylene oxide) and poly(propylene oxide) (10-04)

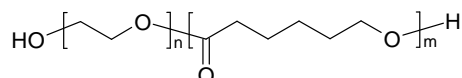


Cat #	Product name	Molecular weight (Mn)	Purity
10-04-2m/n	Cyclo-poly(oxyethylene)-b-poly(oxypropylene) (2m/n)	2m/n	>90 %

Please specify the molecular weight when you order these cyclics.

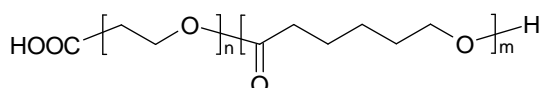
5. Functional biodegradable block copolymers

5.1 poly(ϵ -caprolactone) with poly(ethylene glycol) with hydroxyl end (HO-PEG-*b*-PCL or PCL-*b*-PEG-OH) (11-01-OH-)



Cat #	Product name	Molecular weight (Mn)	Mw/Mn
11-01-OH-PCL/1000	PCL- <i>b</i> -PEG-OH (1000)	PCL: as required/HO-PEG: 1000	1.1-1.2
11-01-OH-PCL/2000	PCL- <i>b</i> -PEG-OH (2000)	PCL: as required/HO-PEG: 2000	1.1-1.2
11-01- OH-PCL/3000	PCL- <i>b</i> -PEG-OH (3000)	PCL: as required /HO-PEG: 3000	1.1-1.2
11-01-OH-PCL/4000	PCL- <i>b</i> -PEG-OH (4000)	PCL: as required /HO-PEG: 4000	1.1-1.2
11-01-OH-PCL/5000	PCL- <i>b</i> -PEG-OH (5000)	PCL: as required /HO-PEG: 5000	1.1-1.2
11-01-OH-PCL/6000	PCL- <i>b</i> -PEG-OH (6000)	PCL: as required /HO-PEG: 6000	1.1-1.2

5.2 poly(ϵ -caprolactone) with poly(ethylene glycol) with carboxylic acid end (HOOC-PEG-*b*-PCL or PCL-*b*-PEG-COOH) (11-01-CX-)

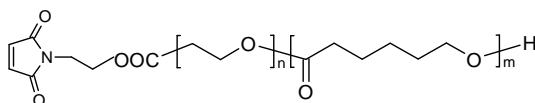


Cat #	Product name	Molecular weight (Mn)	Mw/Mn
11-01-CX-PCL/1000	PCL- <i>b</i> -PEG-COOH (1000)	PCL: as required/HOOC-PEG: 1000	1.1-1.2

11-01-CX-PCL/2000	PCL-b-PEG-COOH (2000)	PCL: as required/HOOC-PEG: 2000	1.1-1.2
11-01-CX-PCL/3000	PCL-b-PEG-COOH (3000)	PCL: as required /HOOC-PEG: 3000	1.1-1.2
11-01-CX-PCL/4000	PCL-b-PEG-COOH (4000)	PCL: as required /HOOC-PEG: 4000	1.1-1.2
11-01-CX-PCL/5000	PCL-b-PEG-COOH (5000)	PCL: as required /HOOC-PEG: 5000	1.1-1.2
11-01-CX-PCL/6000	PCL-b-PEG-COOH (6000)	PCL: as required /HOOC-PEG: 6000	1.1-1.2

Orders may be placed with specified molecular weight and molecular ratios, even for those not listed.

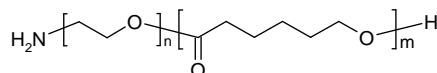
5.3 poly(ϵ -caprolactone) with poly(ethylene glycol) with maleimide end (MAL-PEG-*b*-PCL or PCL-*b*-PEG-MAL) (11-01-MAL-)



Cat #	Product name	Molecular weight (Mn)	Mw/Mn
11-01-MAL-PCL/1000	PCL-b-PEG-MAL (1000)	PCL: as required/MAL-PEG: 1000	1.1-1.2
11-01-MAL-PCL/2000	PCL-b-PEG-MAL (2000)	PCL: as required/MAL-PEG: 2000	1.1-1.2
11-01-MAL-PCL/3000	PCL-b-PEG-MAL (3000)	PCL: as required /MAL-PEG: 3000	1.1-1.2
11-01-MAL-PCL/4000	PCL-b-PEG-MAL (4000)	PCL: as required /MAL-PEG: 4000	1.1-1.2
11-01-MAL-PCL/5000	PCL-b-PEG-MAL (5000)	PCL: as required /MAL-PEG: 5000	1.1-1.2
11-01-MAL-PCL/6000	PCL-b-PEG-MAL (6000)	PCL: as required /MAL-PEG: 6000	1.1-1.2

Orders may be placed with specified molecular weight and molecular ratios, even for those not listed.

5.4 poly(ϵ -caprolactone) with poly(ethylene glycol) with amine end (H₂N-PEG-*b*-PCL or PCL-*b*-PEG-NH₂) (11-01-NH₂-)

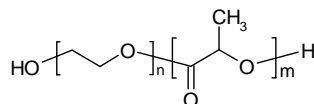


Cat #	Product name	Molecular weight (Mn)	Mw/Mn
11-01-NH ₂ -PCL/2000	PCL-b-PEG-NH ₂ (2000)	PCL: as required/H ₂ N-PEG: 2000	1.1-1.2
11-01-NH ₂ -PCL/3000	PCL-b-PEG-NH ₂ (3000)	PCL: as required /H ₂ N-PEG: 3000	1.1-1.2
11-01-NH ₂ -PCL/4000	PCL-b-PEG-NH ₂ (4000)	PCL: as required /H ₂ N-PEG: 4000	1.1-1.2
11-01-NH ₂ -PCL/5000	PCL-b-PEG-NH ₂ (5000)	PCL: as required /H ₂ N-PEG: 5000	1.1-1.2

11-01-NH2-PCL/6000	PCL-b-PEG-NH ₂ (6000)	PCL: as required /H ₂ N-PEG: 6000	1.1-1.2
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Orders may be placed with specified molecular weight and molecular ratios, even for those not listed.

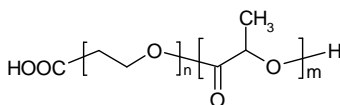
5.5 poly(d,l-Lactide) with poly(ethylene glycol) with hydroxyl end (HO-PEG-*b*-PLA or PLA-*b*-PEG-OH) (12-01-OH-)



Cat #	Product name	Molecular weight (Mn)	Mw/Mn
12-01-OH-PLA/1000	PLA- <i>b</i> -PEG-OH (1000)	PLA: as required/HO-PEG: 1000	1.1-1.2
12-01-OH-PLA/2000	PLA- <i>b</i> -PEG-OH (2000)	PLA: as required/HO-PEG: 2000	1.1-1.2
12-01-OH-PLA/3000	PLA- <i>b</i> -PEG-OH (3000)	PLA: as required /HO-PEG: 3000	1.1-1.2
12-01-OH-PLA/4000	PLA- <i>b</i> -PEG-OH (4000)	PLA: as required /HO-PEG: 4000	1.1-1.2
12-01-OH-PLA/5000	PLA- <i>b</i> -PEG-OH (5000)	PLA: as required /HO-PEG: 5000	1.1-1.2
12-01-OH-PLA/6000	PLA- <i>b</i> -PEG-OH (6000)	PLA: as required /HO-PEG: 6000	1.1-1.2

Orders may be placed with specified molecular weight and molecular ratios, even for those not listed.

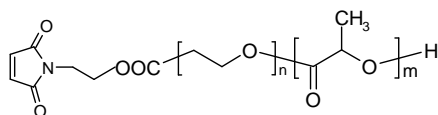
5.6 poly(d,l-Lactide) with poly(ethylene glycol) with carboxylic acid end (HOOC-PEG-*b*-PLA or PLA-*b*-PEG-COOH) (12-01-CX-)



Cat #	Product name	Molecular weight (Mn)	Mw/Mn
12-01-CX-PLA/1000	PLA- <i>b</i> -PEG-COOH (1000)	PLA: as required/HOOC-PEG: 1000	1.1-1.2
12-01-CX-PLA/2000	PLA- <i>b</i> -PEG-COOH (2000)	PLA: as required/HOOC-PEG: 2000	1.1-1.2
12-01-CX-PLA/3000	PLA- <i>b</i> -PEG-COOH (3000)	PLA: as required /HOOC-PEG: 3000	1.1-1.2
12-01-CX-PLA/4000	PLA- <i>b</i> -PEG-COOH (4000)	PLA: as required /HOOC-PEG: 4000	1.1-1.2
12-01-CX-PLA/5000	PLA- <i>b</i> -PEG-COOH (5000)	PLA: as required /HOOC-PEG: 5000	1.1-1.2
12-01-CX-PLA/6000	PLA- <i>b</i> -PEG-COOH (6000)	PLA: as required /HOOC-PEG: 6000	1.1-1.2

Orders may be placed with specified molecular weight and molecular ratios, even for those not listed.

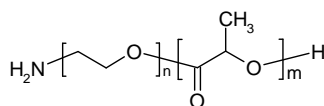
5.7 poly(d,l-Lactide) with poly(ethylene glycol) with maleimide end (MAL-PEG-*b*-PLA or PLA-*b*-PEG-MAL) (12-01-MAL-)



Cat #	Product name	Molecular weight (Mn)	Mw/Mn
12-01-MAL-PLA/2000	PLA- <i>b</i> -PEG-MAL (2000)	PLA: as required/MAL-PEG: 2000	1.1-1.2
12-01-MAL-PLA/3000	PLA- <i>b</i> -PEG-MAL (3000)	PLA: as required/MAL-PEG: 3000	1.1-1.2
12-01-MAL-PLA/4000	PLA- <i>b</i> -PEG-MAL (4000)	PLA: as required /MAL-PEG: 4000	1.1-1.2
12-01-MAL-PLA/5000	PLA- <i>b</i> -PEG-MAL (5000)	PLA: as required /MAL-PEG: 5000	1.1-1.2
12-01-MAL-PLA/6000	PLA- <i>b</i> -PEG-MAL (6000)	PLA: as required /MAL-PEG: 6000	1.1-1.2

Orders may be placed with specified molecular weight and molecular ratios, even for those not listed.

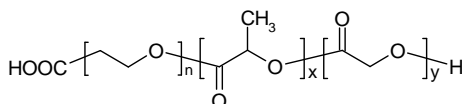
5.8 Poly(d,l-Lactide) with poly(ethylene glycol) with amine end (H₂N-PEG-*b*-PLA or PLA-*b*-PEG-NH₂) (12-01-NH₂-)



Cat #	Product name	Molecular weight (Mn)	Mw/Mn
12-01-NH2-PLA/2000	PLA- <i>b</i> -PEG-NH ₂ (2000)	PLA: as required/H ₂ N-PEG: 2000	1.1-1.2
12-01-NH2-PLA/3000	PLA- <i>b</i> -PEG-NH ₂ (3000)	PLA: as required /H ₂ N-PEG: 3000	1.1-1.2
12-01-NH2-PLA/4000	PLA- <i>b</i> -PEG-NH ₂ (4000)	PLA: as required /H ₂ N-PEG: 4000	1.1-1.2
12-01-NH2-PLA/5000	PLA- <i>b</i> -PEG-NH ₂ (5000)	PLA: as required /H ₂ N-PEG: 5000	1.1-1.2
12-01-NH2-PLA/6000	PLA- <i>b</i> -PEG-NH ₂ (6000)	PLA: as required /H ₂ N-PEG: 6000	1.1-1.2

Orders may be placed with specified molecular weight and molecular ratios, even for those not listed.

5.9 Poly(Lactide/glycolide) with poly(ethylene glycol) with -COOH end (HOOC-PEG-*b*-PLGA or PLGA-*b*-PEG-COOH) (13-01-CX-)

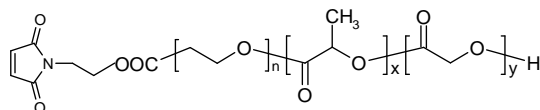


Cat #	Product name	Molecular weight (Mn)	Mw/Mn
13-01-CX-x/y-PLGA /2000	PLGA(x/y)- <i>b</i> -PEG-COOH (2k)	PLGA(x/y): as required/HOOC-PEG: 2k	1.1-1.2
13-01-CX-x/y-PLGA /3000	PLGA(x/y)- <i>b</i> -PEG-COOH (3k)	PLGA(x/y): as required/HOOC-PEG: 3k	1.1-1.2

13-01-CX-x/y-PLGA /4000	PLGA(x/y)-b-PEG-COOH (4k)	PLGA(x/y): as required /HOOC-PEG: 4k	1.1-1.2
13-01-CX-x/y-PLGA /5000	PLGA(x/y)-b-PEG-COOH (5k)	PLGA(x/y): as required /HOOC-PEG: 5k	1.1-1.2

Orders may be placed with specified molecular weight and molecular ratios, even for those not listed.

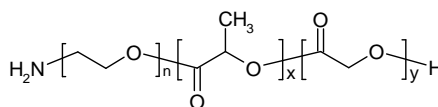
5.10 Poly(Lactide/glycolide) with poly(ethylene glycol) with maleimide end (MAL-PEG-b-PLGA or PLGA-b-PEG-MAL) (13-01-MAL-)



Cat #	Product name	Molecular weight (Mn)	Mw/Mn
13-01-MAL-x/y-PLGA /2000	PLGA(x/y)-b-PEG-MAL (2k)	PLGA(x/y): as required/MAL-PEG: 2k	1.1-1.2
13-01-MAL-x/y-PLGA /4000	PLGA(x/y)-b-PEG-MAL (4k)	PLGA(x/y): as required /MAL-PEG: 4k	1.1-1.2
13-01-MAL-x/y-PLGA /5000	PLGA(x/y)-b-PEG-MAL (5k)	PLGA(x/y): as required /MAL-PEG: 5k	1.1-1.2
13-01-MAL-x/y-PLGA /6000	PLGA(x/y)-b-PEG-MAL (6k)	PLGA(x/y): as required /MAL-PEG: 6k	1.1-1.2

Orders may be placed with specified molecular weight and molecular ratios, even for those not listed.

5.11 Poly(Lactide/glycolide) with poly(ethylene glycol) with amine end (H₂N-PEG-b-PLGA or PLGA-b-PEG-NH₂) (13-01-NH₂-)



Cat #	Product name	Molecular weight (Mn)	Mw/Mn
13-01-NH ₂ -x/y-PLGA /2000	PLGA(x/y)-b-PEG-NH ₂ (2k)	PLGA(x/y): as required/H ₂ N-PEG: 2k	1.1-1.2
13-01-NH ₂ -x/y-PLGA /3000	PLGA(x/y)-b-PEG-NH ₂ (3k)	PLGA(x/y): as required/H ₂ N-PEG: 3k	1.1-1.2
13-01-NH ₂ -x/y-PLGA /5000	PLGA(x/y)-b-PEG-NH ₂ (5k)	PLGA(x/y): as required /H ₂ N-PEG: 5k	1.1-1.2

We do custom synthesis of the functional block copolymers, please specify the molecular weight for each block

6. Block copolymers made from anionic polymerization technique

6.1 Poly(styrene) with poly(ethylene oxide) (PS-b-PEO) (14-01-)

Cat #	Product name	Molecular weight (Mn)	Mw/Mn
14-01-10k/PEO	PS(10k)-b-PEO	PS: 10k; PEO: as required	1.1
14-01-50k/PEO	PS(50k)-b-PEO	PS: 50k; PEO: as required	1.1

6.2 Poly(methylmethacrylate) with poly(ethylene oxide) (PMMA-b-PEO) (15-01-)

Cat #	Product name	Molecular weight (Mn)	Mw/Mn
15-01-10k/PEO	PMMA(10k)-b-PEO	PMMA: 10k; PEO: as required	1.1
15-01-50k/PEO	PMMA(50k)-b-PEO	PMMA: 50k; PEO: as required	1.1

6.3 Poly(styrene) with Poly(methyl methacrylate), PS-b-PMMA (16-01-)

Cat #	Product name	Molecular weight (Mn)	Mw/Mn
16-01-50k/PMMA	PS(50k)-b-PMMA	PS: 50k; PMMA: as required	1.1
16-01-100k/PMMA	PS(100k)-b-PMMA	PS: 100k; PMMA: as required	1.1

6.2 Poly(styrene) with poly(4-vinylpyridine) (PS-b-P4VP) (17-01-)

Cat #	Product name	Molecular weight (Mn)	Mw/Mn
17-01-10k/P4VP	PS(10k)-b-P4VP	PS: 10k; P4VP: as required	1.1
17-01-50k/P4VP	PS(50k)-b-P4VP	PS: 50k; P4VP: as required	1.1

6.2 Poly(styrene) with poly(acrylic acid) (PS-b-PAA) (18-01-)

Cat #	Product name	Molecular weight (Mn)	Mw/Mn
18-01-50k/PAA	PS(50k)-b-PAA	PS: 50k; PAA: as required	1.1
18-01-100k/PAA	PS(100k)-b-PAA	PS: 100k; PAA: as required	1.1

These lists are only examples, please specify your molecular weight for each block.

7. Conductive Polymers

We supply **P3HT polymer** with different molecular weights (10k, 20k, 30k, 40k, etc) catalogue number: **P3HT-XXXX**, where xxxx is the molecular weight.

8. Other polymers

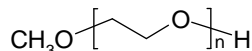
We also supply a lot of other polymers such as

PMMA-b-PCL; PMMA-b-PLA; PAA-b-PCL; PAA-b-PLA; PEO-b-PAA; PEO-b-P4VP-b-PS;
etc.

Please send your requests to us.

mPEG series

We supply methoxy polyethylene glycol with different molecular weights for your R&D and production.



Molecular weight range: 350 to 40000.

Catalog Number: **mPEG-XXXX**, where XXXX stands for number average molecular weight (Mn).

mPEG-350
mPEG-550
mPEG-750
mPEG-1000

mPEG-2000
mPEG-3000
mPEG-4000
mPEG-5000

mPEG-6000
mPEG-7500
mPEG-10000

mPEG-20000
mPEG-30000
mPEG-40000

Multi-arm PEGs

We supply multi-arm PEGs or branched PEGs, including **3-arm PEG**, **4-arm PEG**, **6-arm PEG** with required molecular weights.

Catalog Number : **3-arm PEG-xxxx**, **4-arm PEG-xxxx**, **6-arm PEG-xxxx**, where xxxx stands for number average molecular weight (Mn). Molecular weights range: 2k up.

Functional PEGs

We supply functional PEGs with functional groups such as **-COOH**, **-NH₂**, **-SH**, **-SO₃H**, **-maleimide**, etc. The following list shows some examples.

mPEG-COOH

Catalogue number: **mPEG-CX-XXXX**.

Molecular weight range: 350 to 20000.

mPEG-COONHS

Catalogue number: **mPEG-NHS-XXXX**.

Molecular weight range: 350 to 20000.

HOOC-PEG-COOH

Catalogue number: **PEG-diCX-XXXX**,
molecular weight range 200 to 20000.

mPEG-NH₂

Catalogue number: **mPEG-NH₂-XXXX**,
molecular weight range: 350 to 20000.

H₂N-PEG-NH₂

Catalogue number: **PEG-diNH₂-XXXX**,
molecular weight range: 200 to 20000.

mPEG-N₃

catalogue number: **mPEG-N₃-XXXX**, molecular
weight range: 350 to 20000.

N₃-PEG-N₃

catalogue number: **PEG-diN₃-XXXX**,
molecular weight range: 200 to 20000.

mPEG-maleimide

catalogue number: **mPEG-MAL-XXXX**,
molecular weight range: 350 to 20000.

Functional multi-arm PEGs

3-arm PEG-COOH,

catalogue number: **3-arm-PEG-CX-XXXX**

4-arm PEG-COOH,

catalogue number: **4-arm-PEG-CX-XXXX**

6-arm PEG-COOH,

catalogue number: **6-arm-PEG-CX-XXXX**

3-arm PEG-NH₂,

catalogue number: **3-arm-PEG-NH₂-XXXX**

4-arm PEG-NH₂,

catalogue number: **4-arm-PEG-NH₂-XXXX**

6-arm PEG-NH₂,

catalogue number: **6-arm-PEG-NH₂-XXXX**

Heterofunctional PEGs

HO-PEG-COOH

Catalogue number: **PEG-HOCX-XXXX**

HO-PEG-NH₂

Catalogue number: **PEG-HONH₂-XXXXX**

HO-PEG-SO₃Na

Catalogue number: **PEG-HOSO₃-XXXX**

We accept orders for custom-designed functional PEGs.