

4-arm Poly ethylene Glycol

製品名	構造式	略語	CAS	分子量 (Mn)
4-arm Poly(ethylene glycol)	$C \left[CH_2-O \left(CH_2CH_2O \right)_n H \right]_4$	4-arm PEG-OH		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) carboxylic acid	$C \left[CH_2-O \left(CH_2CH_2O \right)_n CH_2-COOH \right]_4$	4-arm PEG-CM		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) succinate acid	$C \left[CH_2-O \left(CH_2CH_2O \right)_n \overset{O}{\parallel} C-CH_2CH_2-\overset{O}{\parallel} C-OH \right]_4$	4-arm PEG-SA		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) succinimidyl acid	$C \left[CH_2-O \left(CH_2CH_2O \right)_n CH_2CH_2-N \overset{O}{\parallel} C-CH_2CH_2-\overset{O}{\parallel} C-OH \right]_4$	4-arm PEG-SAA		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) glutarate acid	$C \left[CH_2-O \left(CH_2CH_2O \right)_n \overset{O}{\parallel} C-CH_2CH_2CH_2-\overset{O}{\parallel} C-OH \right]_4$	4-arm PEG-GA		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) glutamidyl acid	$C \left[CH_2-O \left(CH_2CH_2O \right)_n CH_2CH_2-N \overset{O}{\parallel} C-CH_2CH_2CH_2-\overset{O}{\parallel} C-OH \right]_4$	4-arm PEG-GAA		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) amine	$C \left[CH_2-O \left(CH_2CH_2O \right)_n CH_2CH_2-NH_2 \right]_4$	4-arm PEG-NH 2		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) amine hydrochloride salt	$C \left[CH_2-O \left(CH_2CH_2O \right)_n CH_2CH_2-NH_2HCl \right]_4$	4-arm PEG-NH 2HCl		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) thiol	$C \left[CH_2-O \left(CH_2CH_2O \right)_n CH_2CH_2-SH \right]_4$	4-arm PEG-SH		2,000 5,000 10,000 20,000 40,000



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4-arm Poly(ethylene glycol) propionaldehyde	$\text{C} \left[\text{CH}_2 - \text{O} \left(\text{CH}_2\text{CH}_2\text{O} \right)_n \text{CH}_2\text{CH}_2 - \text{CHO} \right]_4$	4-arm PEG-pALD		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) isocyanate	$\text{C} \left[\text{CH}_2 - \text{O} \left(\text{CH}_2\text{CH}_2\text{O} \right)_n \overset{\text{O}}{\parallel} \text{C} - \text{N} \left(\text{CH}_2 \right)_6 \text{NCO} \right]_4$	4-arm PEG-NCO		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) azide	$\text{C} \left[\text{CH}_2 - \text{O} \left(\text{CH}_2\text{CH}_2\text{O} \right)_n \text{CH}_2\text{CH}_2 - \text{N}_3 \right]_4$	4-arm PEG-N ₃		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) alkyne	$\text{C} \left[\text{CH}_2 - \text{O} \left(\text{CH}_2\text{CH}_2\text{O} \right)_n \text{CH}_2 - \text{C} \equiv \text{CH} \right]_4$	4-arm PEG-Alkyne		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) acrylate	$\text{C} \left[\text{CH}_2 - \text{O} \left(\text{CH}_2\text{CH}_2\text{O} \right)_n \overset{\text{O}}{\parallel} \text{C} - \text{CH} = \text{CH}_2 \right]_4$	4-arm PEG-AA		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) methacrylate	$\text{C} \left[\text{CH}_2 - \text{O} \left(\text{CH}_2\text{CH}_2\text{O} \right)_n \overset{\text{O}}{\parallel} \text{C} - \underset{\text{CH}_3}{\text{C}} = \text{CH}_2 \right]_4$	4-arm PEG-MA		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) maleimide(ether)	$\text{C} \left[\text{CH}_2 - \text{O} \left(\text{CH}_2\text{CH}_2\text{O} \right)_n \text{CH}_2\text{CH}_2 - \text{N} \begin{array}{c} \text{O} \\ \parallel \\ \text{C} \\ \parallel \\ \text{O} \end{array} \right]_4$	4-arm PEG-MAL		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) maleimide(ester)	$\text{C} \left[\text{CH}_2 - \text{O} \left(\text{CH}_2\text{CH}_2\text{O} \right)_n \overset{\text{O}}{\parallel} \text{C} - \text{CH}_2\text{CH}_2 - \text{N} \begin{array}{c} \text{O} \\ \parallel \\ \text{C} \\ \parallel \\ \text{O} \end{array} \right]_4$	4-arm PEG-MAL		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) maleimide	$\text{C} \left[\text{CH}_2 - \text{O} \left(\text{CH}_2\text{CH}_2\text{O} \right)_n \text{CH}_2\text{CH}_2 - \text{N} \begin{array}{c} \text{H} \\ \parallel \\ \text{C} \\ \parallel \\ \text{O} \end{array} - \text{CH}_2\text{CH}_2 - \text{N} \begin{array}{c} \text{O} \\ \parallel \\ \text{C} \\ \parallel \\ \text{O} \end{array} \right]_4$	4-arm PEG-MAL		2,000 5,000 10,000 20,000 40,000



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4-arm Poly(ethylene glycol) succinimidyl ester	$C\{H_2C-O-(CH_2CH_2O)_n-C(=O)-O-N\}_{4}$ 	4-arm PEG-SC		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) succinimidyl carboxymethyl ester	$C\{CH_2-O-(CH_2CH_2O)_n-CH_2-C(=O)-O-N\}_{4}$ 	4-arm PEG-SCM		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) succinimidyl succinate	$C\{CH_2-O-(CH_2CH_2O)_n-C(=O)-CH_2CH_2-C(=O)-O-N\}_{4}$ 	4-arm PEG-SS		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) succinimidyl succinamide	$C\{CH_2-O-(CH_2CH_2O)_n-CH_2CH_2NH-C(=O)-CH_2CH_2-C(=O)-O-N\}_{4}$ 	4-arm PEG-SSA		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) succinimidyl glutarate	$C\{CH_2-O-(CH_2CH_2O)_n-C(=O)-CH_2CH_2CH_2-C(=O)-O-N\}_{4}$ 	4-arm PEG-SG		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) succinimidyl glutaramide	$C\{CH_2-O-(CH_2CH_2O)_n-CH_2CH_2NH-C(=O)-CH_2CH_2CH_2-C(=O)-O-N\}_{4}$ 	4-arm PEG-SGA		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) iodoacetamide	$C\{CH_2-O-(CH_2CH_2O)_n-CH_2CH_2NH-C(=O)-CH_2-I\}_{4}$ 	4-arm PEG-IAA		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) butaldehyde	$C\{H_2C-O-(CH_2CH_2O)_n-CH_2CH_2CH_2-CHO\}_{4}$ 	4-arm PEG-bALD		2,000 5,000 10,000 20,000 40,000
4-arm Poly(ethylene glycol) vinylsulfone	$C\{H_2C-O-(CH_2CH_2O)_n-CH_2CH_2-S(=O)_2-CH=CH_2\}_{4}$ 	4-arm PEG-VS		2,000 5,000 10,000 20,000 40,000

