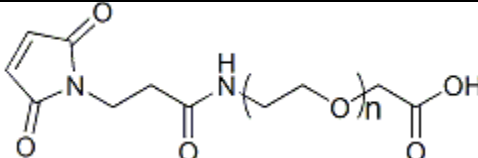


Maleimide-PEG_x-Carboxyl

Unique heterobifunctional crosslinkers, SH-reactives with PEO spacer

Products Description

name	cat nbr (1G)	MW	Comment
Maleimide-PEG-COOH	AWK5W1	200	
Maleimide-PEO Carboxyl (L)	AYQL31	400	
PEG8-0141 to -0145	AYQL41	600	
HE022017	AYQL01	800	
	AYQL11	1 000	
	AYQL21	2 000	
	WU0760	3 400	
	AYQL51	5 000	
	AYQL61	6 000	
	AYQL71	7 500	
	AYQL81	8 000	
	AYQL91	10 000	
	AYQLA1	20 000	
	AYQLB1	30 000	
	AYQLC1	40 000	

Storage: +4°C (L), keep in dry and avoid sunlight.

Technical and Scientific Information

.Features:

- Heterobifunctional crosslinker
- Maleimide reacts with sulfhydryl in mild conditions
- Carboxyl group can be used by conventional chemistry, for example for conjugation to amino groups by EDC mediation
- hydrophilic PEG spacer of adjustable length

Poly(ethylene glycol) - PEG or poly(ethylene oxide) - PEO, transfers its unique characteristics to the final conjugate: water solubility, lack of toxicity, non-immunogenicity, non-specific interactions with biological chemicals, and high flexibility and mobility.

.Applications:

- . preparation of biomolecules conjugates
(e.g. protein-protein, antibody-enzyme for immunoassays, nucleic acid-protein,...)
- . treatment or functionalization of surfaces, gels, vaccins...

Applications include medical research, drug-release, nanotechnology and new materials research, coating for cell culture, polypeptide synthesis, graft compounds for polymers, PEG-modified functional coatings.

Other Information

Related / associated products

See [BioSciences Innovations catalogue](#) and [e-search tool](#).

- Useful [modifiers](#) and other conjugation technologies :

- DCC (N,N'-dicyclohexylcarbodiimide), [HG9911](#)
- EDAC, [520059](#)
- DTT, [054720](#)
- SATA #84235A, Iminothiolane [#42425A](#)
- SMCC-hydrazide [#BI1281](#)
- Hydrazone chemistry: [Conjugation kit #BL1501](#) and crosslinkers (SANH [#BL9270](#), MHPH [#BL9401](#))

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- Other crosslinkers
 - Homobifunctional crosslinkers: NHS-NHS reagents, i.e. [NHS-PEO-NHS](#) and SMCC #[54940A](#)
 - Homobifunctional crosslinkers: MAL-MAL reagents, i.e. [MAL-PEO-MAL](#) #L7736A
 - PhotoActivable (PA) crosslinkers: SH and PA reactive i.e. SCBP #[BI1361](#),...
- Desalting tools: [CelluSep dialysis tubings](#), Desalting gelfiltration columns #[UP84874](#)
- Activated proteins for immunization and screening conjugates: [KLH](#), [BSA](#), [OVA](#), MaxiBind™, Activated KLH [86734A](#)

For in vitro R&D use only