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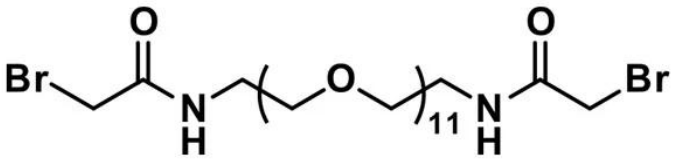
BIS-BROMOACETAMIDO-DPEG®11

SKU: QBD-11338



Bis-Bromoacetamido-dPEG®11, product number QBD-11338, is a thiol-reactive, homobifunctional crosslinker, with the two reactive ends separated by a medium-length (44 atoms, 47.5 Å), single molecular weight, discrete polyethylene glycol (dPEG®) spacer. Both ends of the dPEG® spacer terminate with bromoacetyl groups that connect to the dPEG® crossbridge through amide bonds.

Bromoacetyl-functionalized reagents are useful alternatives to maleimide-functionalized reagents. The bromoacetyl group reacts with sulfhydryl groups at pH 8 or higher. Maleimide groups are chemoselective for thiols at pH 6.5 – 7.5 and lose selectivity at higher pH values. Bromoacetyl-thiol reaction rates are somewhat slower than maleimide-thiol reaction rates.

Specifications

Unit Size	50 mg, 1000 mg
Molecular Weight	786.54; single compound
Chemical formula	$C_{28}H_{54}Br_2N_2O_{13}$
CAS	N/A
Purity	> 97%
Spacers	dPEG® Spacer is 44 atoms and 47.5 Å
Shipping	Ambient
Typical solubility properties (for additional information contact Customer Support)	Methylene Chloride, Methanol, DMSO, Acetonitrile, or DMAC

For research use only. Not intended for animal or human therapeutic or diagnostic use.

Storage and handling	-20°C; Always let come to room temperature before opening; be careful to limit exposure to moisture and restore under an inert atmosphere; stock solutions can be prepared with dry solvent and kept for several days (freeze when not in use). dPEG® pegylation compounds are generally hygroscopic and should be treated as such. This will be less noticeable with liquids, but the solids will become tacky and difficult to manipulate, if care is not taken to minimize air exposure.