

AMINOXY-DPEG®₁₁-AZIDE.HCL

SKU: QBD-10538



Aminoxy-dPEG®₁₁-azide.HCl, product number QBD-10538, is a click chemistry crosslinker functionalized with an oxyamine moiety on one end of a medium-length (38 atoms), single molecular weight, discrete PEG (dPEG®) linker, and an azide group on the other end. The azide end of the linker reacts with aliphatic or cyclic alkynes through copper-catalyzed (CuAAC), ruthenium-catalyzed (RuAAC), or strain-promoted, copper-free (SPAAC) click chemistry to form a triazole ring. The molecule's aminoxy end (sold as an HCl salt) reacts with aldehydes and ketones to form biocompatible, stable oxime bonds that are important in many bioconjugation and supramolecular construction processes.

Specifications

Unit Size	50 mg, 1000 mg
Molecular Weight	623.134
Chemical formula	C ₂₄ H ₅₁ ClN ₄ O ₁₂
CAS	N/A
Purity	> 95%
Spacers	dPEG® Spacer is 38 atoms and 40.8Å
Shipping	Ambient
Typical solubility properties (for additional information contact Customer Support)	Water, DCM, or methanol

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

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.

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