

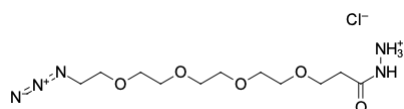
Azide-PEG4-hydrazide

<http://www.lumiprobe.com/p/azide-peg4-hydrazide-2170240-96-5>

Azide-PEG6-hydrazide is a heterobifunctional crosslinker with a hydrazide group, alkyne-reactive azide group, and a PEG4 hydrophilic linker.

The hydrazide group is used to attach the terminal azide group to a carbonyl group of aldehydes and ketones. Carbonyl groups are encountered in proteins subjected to oxidative stress. Many small natural molecules are also carbonyl compounds. Most saccharides and RNAs contain 1,2-diol fragments, which can be oxidized with periodate to aldehydes, which in turn react with hydrazides.

The azide group can undergo click chemistry reactions with alkyne, BCN, or DBCO to form a stable triazole linkage.



Structure of Azide-PEG4-hydrazide

General properties

Appearance:	white-yellow solid
Molecular weight:	341.80
CAS number:	2170240-96-5
Molecular formula:	C ₁₁ H ₂₄ ClN ₅ O ₅
Solubility:	Methylene chloride, acetonitrile, DMF, DMSO, THF
Quality control:	NMR ¹ H and HPLC-MS (95+%)
Storage conditions:	24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.