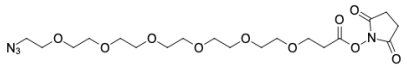
Lumiprobe Corporation
201 International Circle, Suite 135
Hunt Valley, Maryland 21030
USA
Phone: +1 888 973 6353
Fax: +1 888 973 6354
Email: order@lumiprobe.com

Azide-PEG6-NHS ester

http://www.lumiprobe.com/p/azide-peg6-nhs-ester-2055014-64-5

Azide-PEG6-NHS ester is a bifunctional linker with azide and NHS ester function groups flanking PEG6 (hexaethylene glycol). The PEG spacer increases solubility in aqueous media. The azide group easily reacts with terminal alkynes, BCN, and DBCO via Cu-catalyzed and copper-free click chemistry reactions. The amine-reactive N-hydroxysuccinimide residue is used for binding the primary amines of proteins, peptides, amine-modified oligonucleotides, and other amine-containing molecules.



Structure of Azide-PEG6-NHS ester

General properties

Appearance:	pale yellow liquid
Molecular weight:	476.48
CAS number:	2055014-64-5
Molecular formula:	$C_{19}H_{32}N_4O_{10}$
Solubility:	Good in water, DMSO, DCM, DMF
Quality control:	NMR ^{1}H and HPLC-MS (95+%)
Storage conditions:	12 months after receival 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.