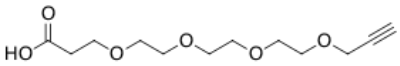
Lumiprobe Corporation
201 International Circle, Suite 135
Hunt Valley, Maryland 21030
USA
Phone: +1 888 973 6353
Fax: +1 888 973 6354
Email: order@lumiprobe.com

Alkyne-PEG3-carboxylic acid

http://www.lumiprobe.com/p/alkyne-peg3-carboxylic-acid-1415800-32-6

Alkyne-PEG3-carboxylic acid is a bifunctional triethyleneglycol derivative bearing a carboxy group and an alkyne moiety. The former can be activated with peptide coupling reagents like PyBOP or carbodiimides like EDC to form a stable amide linkage with amines. The alkyne group can be coupled with azides in a CuAAC reaction.

PEGs are hydrophilic linkers useful in synthesizing water-soluble conjugates.



Structure of Alkyne-PEG3-acid, CAS 1415800-32-6

General properties

Appearance:	colorless to yellow oil
Molecular weight:	246.26
CAS number:	1415800-32-6
Molecular formula:	$C_{11}H_{18}O_6$
IUPAC name:	3,6,9,12-tetraoxapentadecyn-15-oic acid
Solubility:	good in most organic solvents and water
Quality control:	NMR ^{1}H, GC-MS (95%, as Me ester)
Storage conditions:	Storage: 24 months after receival at -20°C. 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.