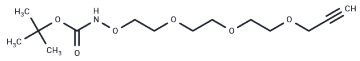
Data Sheet (Cat.No.T24856)

TargetMol

t-Boc-aminooxy-PEG3-propargyl

Chemical Properties



CAS No. : 1951439-46-5

Formula: C14H25NO6

Molecular Weight: 303.35

Storage: Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	t-Boc-aminooxy-PEG3-propargyl is a crosslinker containing a propargyl group and a t-Boc-aminooxy group. PEG Linkers may be useful in the development of antibody-drug conjugates.
Targets(IC50)	Others,ADC Linker

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2965 mL	16.4826 mL	32.9652 mL
5 mM	0.6593 mL	3.2965 mL	6.593 mL
10 mM	0.3297 mL	1.6483 mL	3.2965 mL
50 mM	0.0659 mL	0.3297 mL	0.6593 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Sano K, Nakajima T, Miyazaki K, Ohuchi Y, Ikegami T, Choyke PL, Kobayashi H. Short PEG-linkers improve the performance of targeted, activatable monoclonal antibody-indocyanine green optical imaging probes. Bioconjug Chem. 2013 May 15;24(5):811-6. doi: 10.1021/bc400050k. Epub 2013 May 3. PubMed PMID: 23600922; PubMed Central PMCID: PMC3674550.

Harrison E, Coulter JA, Dixon D. Gold nanoparticle surface functionalization: mixed monolayer versus hetero bifunctional peg linker. Nanomedicine (Lond). 2016 Apr;11(7):851-65. Review. PubMed PMID: 27021417.

Augusto MT, Hollmann A, Porotto M, Moscona A, Santos NC. Antiviral Lipopeptide-Cell Membrane Interaction Is Influenced by PEG Linker Length. Molecules. 2017 Jul 15;22(7). pii: E1190. doi: 10.3390/molecules22071190. PubMed PMID: 28714870; PubMed Central PMCID: PMC5776016.

Tuma R, Russell M, Rosendahl M, Thomas GJ Jr. Solution conformation of the extracellular domain of the human tumor necrosis factor receptor probed by Raman and UV-resonance Raman spectroscopy: structural effects of an engineered PEG linker. Biochemistry. 1995 Nov 21;34(46):15150-6. PubMed PMID: 7578129.