

Azidoethyl-SS-ethylalcohol

Chemical Properties

CAS No. : 1807540-82-4

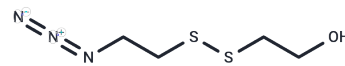
Formula: C₄H₉N₃O₂S₂

Molecular Weight: 179.26

Keep away from direct sunlight

Storage: 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	Azidoethyl-SS-ethylalcohol is a cleavable PEG Linker that may be useful in the development of antibody drug conjugates.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.5785 mL	27.8924 mL	55.7849 mL
5 mM	1.1157 mL	5.5785 mL	11.157 mL
10 mM	0.5578 mL	2.7892 mL	5.5785 mL
50 mM	0.1116 mL	0.5578 mL	1.1157 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.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481