

Thiol-C2-PEG2-OH

Chemical Properties

CAS No. : 56282-36-1

Formula: C₆H₁₄O₃S

Molecular Weight: 166.239

Store under nitrogen

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	Thiol-C2-PEG2-OH is a PEG-type PROTAC linker for PROTAC molecule synthesis.
Targets(IC50)	PROTAC Linker

Solubility Information

Solubility	DMSO: 80.00 mg/mL (481.23 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.0154 mL	30.077 mL	60.154 mL
5 mM	1.2031 mL	6.0154 mL	12.0308 mL
10 mM	0.6015 mL	3.0077 mL	6.0154 mL
50 mM	0.1203 mL	0.6015 mL	1.2031 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.

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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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