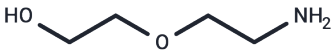
Data Sheet (Cat.No.T20146)

TargetMol

m-PEG24-amine

Chemical Properties



CAS No. : 32130-27-1

Formula: C49H101NO24

Molecular Weight: 1088.33

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	m-PEG24-amine is a PEG derivative containing an amino group. PEG Linkers may be useful in the development of antibody-drug conjugates and drug delivery methods.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9188 mL	4.5942 mL	9.1884 mL
5 mM	0.1838 mL	0.9188 mL	1.8377 mL
10 mM	0.0919 mL	0.4594 mL	0.9188 mL
50 mM	0.0184 mL	0.0919 mL	0.1838 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

Pignatello R, Impallomeni G, Pistarà V, Cupri S, Graziano AC, Cardile V, Ballistreri A. New amphiphilic derivatives of poly(ethylene glycol) (PEG) as surface modifiers of colloidal drug carriers. III. Lipoamino acid conjugates with carboxy- and amino-PEG(5000) polymers. Mater Sci Eng C Mater Biol Appl. 2015 Jan;46:470-81. doi: 10.1016/j.msec.2014.10.054. Epub 2014 Oct 23. PubMed PMID: 25492012.

Rubio-Garcia J, Coppel Y, Lecante P, Mingotaud C, Chaudret B, Gauffre F, Kahn ML. One-step synthesis of metallic and metal oxide nanoparticles using amino-PEG oligomers as multi-purpose ligands: size and shape control, and quasi-universal solvent dispersibility. Chem Commun (Camb). 2011 Jan 21;47(3):988-90. doi: 10.1039/c0cc02615h. Epub 2010 Nov 26. PubMed PMID: 21113535.

Kitagawa F, Kubota K, Sueyoshi K, Otsuka K. One-step preparation of amino-PEG modified poly(methyl methacrylate) microchips for electrophoretic separation of biomolecules. J Pharm Biomed Anal. 2010 Dec 15;53(5):1272-7. doi: 10.1016/j.jpba.2010.07.008. Epub 2010 Aug 1. PubMed PMID: 20678876.

Yoshimoto K, Hoshino Y, Ishii T, Nagasaki Y. Binding enhancement of antigen-functionalized PEGylated gold nanoparticles onto antibody-immobilized surface by increasing the functionalized antigen using alpha-sulfanyl-omega-amino-PEG. Chem Commun (Camb). 2008 Nov 14;(42):5369-71. doi: 10.1039/b811818c. Epub 2008 Sep 16. PubMed PMID: 18985213.