

Hydroxy-PEG14-acid

Chemical Properties

CAS No. : 117786-94-4

Formula: C31H62O17

Molecular Weight: 706.81

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	Hydroxy-PEG14-acid is a PEG derivative containing a hydroxyl group and a terminal carboxylic acid. The hydrophilic PEG spacer increases solubility in aqueous media. The hydroxyl group enables further derivatization or replacement with other reactive functional groups.
Targets(IC50)	Others

Solubility Information

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

	1mg	5mg	10mg
1 mM	1.4148 mL	7.074 mL	14.1481 mL
5 mM	0.283 mL	1.4148 mL	2.8296 mL
10 mM	0.1415 mL	0.7074 mL	1.4148 mL
50 mM	0.0283 mL	0.1415 mL	0.283 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

Brown A, Patel S, Ward C, Lorenz A, Ortiz M, DuRoss A, Wieghardt F, Esch A, Otten EG, Heiser LM, Korolchuk VI, Sun C, Sarkar S, Sahay G. PEG-lipid micelles enable cholesterol efflux in Niemann-Pick Type C1 disease-based lysosomal storage disorder. *Sci Rep.* 2016 Aug 30;6:31750. doi: 10.1038/srep31750. PubMed PMID: 27572704; PubMed Central PMCID: PMC5004151.

Saifer MG, Williams LD, Sobczyk MA, Michaels SJ, Sherman MR. Selectivity of binding of PEGs and PEG-like oligomers to anti-PEG antibodies induced by methoxyPEG-proteins. *Mol Immunol.* 2014 Feb;57(2):236-46. doi: 10.1016/j.molimm.2013.07.014. Epub 2013 Nov 5. PubMed PMID: 24200843.

Garay RP, El-Gewely R, Armstrong JK, Garratty G, Richette P. Antibodies against polyethylene glycol in healthy subjects and in patients treated with PEG-conjugated agents. *Expert Opin Drug Deliv.* 2012 Nov;9(11):1319-23. doi: 10.1517/17425247.2012.720969. Epub 2012 Aug 30. PubMed PMID: 22931049.

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