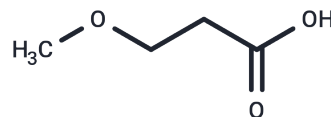


m-PEG1-acid

Chemical Properties

CAS No. :	2544-06-1
Formula:	C ₄ H ₈ O ₃
Molecular Weight:	104.1
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	M-PEG1-acid is a PEG derivative containing a terminal carboxylic acid. The hydrophilic PEG spacer increases solubility in aqueous media. In the presence of activators (e.g. EDC, DCC), the terminal carboxylic acid can be reacted with primary amine groups to form a stable amide bond.
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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	9.6061 mL	48.0307 mL	96.0615 mL
5 mM	1.9212 mL	9.6061 mL	19.2123 mL
10 mM	0.9606 mL	4.8031 mL	9.6061 mL
50 mM	0.1921 mL	0.9606 mL	1.9212 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.

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

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