Data Sheet (Cat.No.T15850)

TargetMol

m-PEG3-aldehyde

Chemical Properties

CAS No. : 356066-46-1

Formula: C8H16O4

Molecular Weight: 176.21

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-PEG3-aldehyde is a PEG-based PROTAC linker with an aldehyde group at the end that can be used to synthesise PROTAC.
Targets(IC50)	PROTAC Linker

Solubility Information

Solubility	DMSO: 122.5 mg/mL (695.19 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (56.75 mM),Solution. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.675 mL	28.3752 mL	56.7505 mL
5 mM	1.135 mL	5.675 mL	11.3501 mL
10 mM	0.5675 mL	2.8375 mL	5.675 mL
50 mM	0.1135 mL	0.5675 mL	1.135 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

Saifer MG, et al.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.

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