

PEG4-aminoxy-MMAF

Chemical Properties

CAS No. : 1415246-35-3

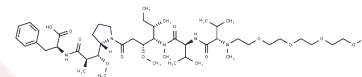
Formula: C47H82N6O12

Molecular Weight: 923.19

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years

Actual storage temperature shall be subject to the COA.



Biological Description

Description	PEG4-aminoxy-MMAF is a drug-linker conjugate designed for antibody-drug conjugates (ADC) that exhibits potent antitumor activity. It incorporates MMAF, a powerful antitubulin agent, connected through a non-cleavable PEG4 linker[1].
Targets(IC50)	Microtubule Associated, Drug-Linker Conjugates for ADC, PROTAC Linker

Solubility Information

Solubility	DMSO: 100 mg/mL (108.32 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 4 mg/mL (4.33 mM), Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0832 mL	5.416 mL	10.832 mL
5 mM	0.2166 mL	1.0832 mL	2.1664 mL
10 mM	0.1083 mL	0.5416 mL	1.0832 mL
50 mM	0.0217 mL	0.1083 mL	0.2166 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

Samantha Congreve, et al. Antibody drug conjugates (ADC). Teknisk- naturvetenskaplig fakultet

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481