

Mc-MMAD

Chemical Properties

CAS No. : 1401963-15-2

Formula: C₅₁H₇₇N₇O₉S

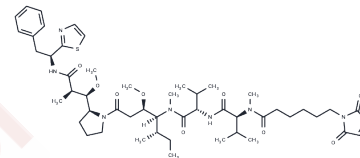
Molecular Weight: 964.26

Storage:

The compound is unstable in solution. Please use soon

Powder: -20°C for 3 years

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Mc-MMAD is monomethyl auristatin D (MMAD) modified with the protective group maleimidocaproyl (Mc). MMAD is a potent tubulin microtubule inhibitor that suppresses cancer cell proliferation and is commonly employed as a toxic payload in ADC synthesis.
Targets(IC50)	Microtubule Associated,ADC Cytotoxin,Drug-Linker Conjugates for ADC,Ligands for Target Protein for PROTAC

Solubility Information

Solubility	DMSO: ≥ 80 mg/mL,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: 2 mg/mL (2.07 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	1.0371 mL	5.1853 mL	10.3706 mL
5 mM	0.2074 mL	1.0371 mL	2.0741 mL
10 mM	0.1037 mL	0.5185 mL	1.0371 mL
50 mM	0.0207 mL	0.1037 mL	0.2074 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

Antibody-drug conjugates Patent: WO 2013068874 A1

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