

Auristatin F

Chemical Properties

CAS No. : 163768-50-1

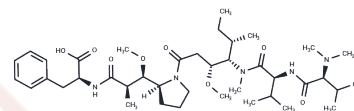
Formula: C₄₀H₆₇N₅O₈

Molecular Weight: 745.99

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Auristatin F is an effective inhibitor of microtubule and vascular damaging agent. Auristatin F can be used in antibody-drug conjugates.
Targets(IC50)	Microtubule Associated,ADC Cytotoxin
In vitro	Auristatin F and Monomethyl Auristatin F (MMAF) are highly potent cytotoxic agents utilized in ADCs[1].

Solubility Information

Solubility	DMSO: 195 mg/mL (261.4 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: 5 mg/mL (6.7 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	1.3405 mL	6.7025 mL	13.405 mL
5 mM	0.2681 mL	1.3405 mL	2.681 mL
10 mM	0.1341 mL	0.6703 mL	1.3405 mL
50 mM	0.0268 mL	0.1341 mL	0.2681 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

Roy S, et al. SMI-Ribosome inactivating protein conjugates selectively inhibit tumor cell growth. Chem Commun (Camb). 2017 Apr 11;53(30):4234-4237.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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