

Auristatin E

Chemical Properties

CAS No. : 160800-57-7

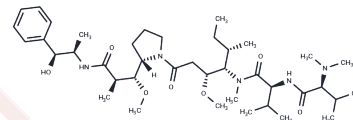
Formula: C₄₀H₆₉N₅O₇

Molecular Weight: 732.01

Keep away from moisture

Storage: Powder: -20°C for 3 years

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Auristatin E, a cytotoxic tubulin modifier, disrupts cell division by inhibiting tubulin polymerisation. This compound demonstrates potent and selective antitumor activities, serving as an MMAE analog and cytotoxin in antibody-drug conjugates.
Targets(IC50)	Microtubule Associated,ADC Cytotoxin

Solubility Information

Solubility	DMSO: 60 mg/mL (81.97 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3661 mL	6.8305 mL	13.661 mL
5 mM	0.2732 mL	1.3661 mL	2.7322 mL
10 mM	0.1366 mL	0.6831 mL	1.3661 mL
50 mM	0.0273 mL	0.1366 mL	0.2732 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

Francisco JA, et al. cAC10-vcMMAE, an anti-CD30-monomethyl auristatin E conjugate with potent and selective antitumor activity. *Blood*. 2003 Aug 15;102(4):1458-65.

Li D, et al. DCDT2980S, an anti-CD22-monomethyl auristatin E antibody-drug conjugate, is a potential treatment for non-Hodgkin lymphoma. *Mol Cancer Ther*. 2013 Jul;12(7):1255-65.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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