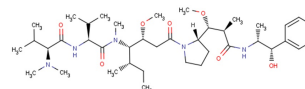


Auristatin E

Chemical Properties

CAS No.:	160800-57-7
Formula:	C ₄₀ H ₆₉ N ₅ O ₇
Molecular Weight:	732.01
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Auristatin E inhibits cell division by blocking the polymerisation of tubulin. Auristatin E is a cytotoxic tubulin modifier with potent and selective antitumor activity; MMAE analog and cytotoxin in Antibody-drug conjugates.
Targets(IC ₅₀)	Auristatin: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.366 mL	6.831 mL	13.661 mL
5 mM	0.273 mL	1.366 mL	2.732 mL
10 mM	0.137 mL	0.683 mL	1.366 mL
50 mM	0.027 mL	0.137 mL	0.273 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.
2. 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.

Inhibitors · Natural Compounds · Compound Libraries

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