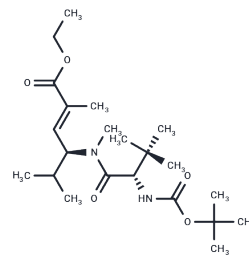


Taltobulin intermediate-4

Chemical Properties

CAS No. :	187345-37-5
Formula:	C ₂₂ H ₄₀ N ₂ O ₅
Molecular Weight:	412.56
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Taltobulin intermediate-4 is a defined synthetic intermediate used in the multistep preparation of Taltobulin, a highly potent tubulin inhibitor and cytotoxic payload widely employed in antibody-drug conjugate development, where Taltobulin disrupts microtubule polymerization, induces mitotic arrest, and triggers apoptosis in rapidly dividing tumor cells.
Targets(IC50)	ADC Cytotoxin

Solubility Information

Solubility	DMSO: 80 mg/mL (193.91 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	2.4239 mL	12.1194 mL	24.2389 mL
5 mM	0.4848 mL	2.4239 mL	4.8478 mL
10 mM	0.2424 mL	1.2119 mL	2.4239 mL
50 mM	0.0485 mL	0.2424 mL	0.4848 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

Loganzo F, et al. HTI-286, a synthetic analogue of the tripeptide hemiasterlin, is a potent antimicrotubule agent that circumvents P-glycoprotein-mediated resistance in vitro and in vivo. Cancer Res. 2003 Apr 15;63(8):1838-45.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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