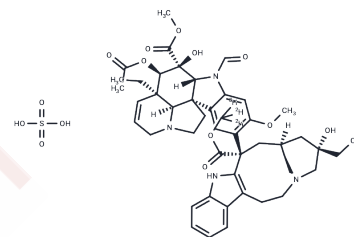


Vincristine-D3-ester sulfate

Chemical Properties

CAS No. :	1217854-24-4
Formula:	C ₄₆ H ₅₈ N ₄ O ₁₄ S
Molecular Weight:	926.06
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	Vincristine-D3-ester sulfate (sulfate) is the deuterated form of Vincristine sulfate. Vincristine sulfate, an antineoplastic vinca alkaloid, inhibits the formation of microtubules in mitotic spindles, leading to cell cycle arrest at metaphase. It binds to microtubules with a K_i of 85 nM.
Targets(IC50)	Apoptosis, Microtubule Associated

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0798 mL	5.3992 mL	10.7984 mL
5 mM	0.216 mL	1.0798 mL	2.1597 mL
10 mM	0.108 mL	0.5399 mL	1.0798 mL
50 mM	0.0216 mL	0.108 mL	0.216 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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