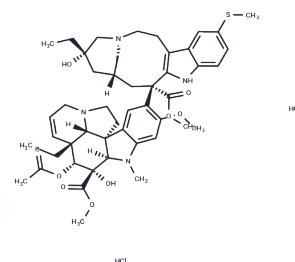


ALB-109564 dihydrochloride

Chemical Properties

CAS No. : 1300114-12-8
 Formula: C₄₇H₆₂Cl₂N₄O₉S
 Molecular Weight: 929.99
 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	ALB-109564 dihydrochloride is a semi-synthetic derivative of the vinka alkaloid vinblastine with potential antineoplastic activity, a microtubule protein inhibitor and antineoplastic compound. It binds to tubulin monomers and inhibits microtubule formation, resulting in disruption of mitotic spindle assembly and arrest of tumor cells in the G2/M phase of the cell cycle.
Targets(IC50)	Others, Microtubule Associated

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0753 mL	5.3764 mL	10.7528 mL
5 mM	0.2151 mL	1.0753 mL	2.1506 mL
10 mM	0.1075 mL	0.5376 mL	1.0753 mL
50 mM	0.0215 mL	0.1075 mL	0.2151 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

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