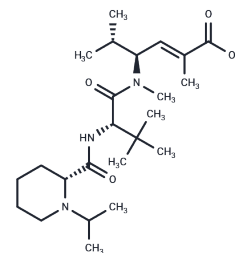


E7974

Chemical Properties

CAS No. : 610787-07-0
 Formula: C₂₄H₄₃N₃O₄
 Molecular Weight: 437.62
 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	E7974 is an analog of the sponge-derived anti-microtubule tripeptide hemiasterlin with antimitotic and potential antineoplastic activities. Hemiasterlin analog E7974 binds to the Vinca domain on tubulin, resulting in inhibition of tubulin polymerization and microtubule assembly; depolymerization of existing microtubules; inhibition of mitosis; and inhibition of cellular proliferation. This agent may have more affinity for the beta-3 tubulin isotype. Check for active clinical trials or closed clinical trials using this agent. (NCI Thesaurus).
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2851 mL	11.4254 mL	22.8509 mL
5 mM	0.457 mL	2.2851 mL	4.5702 mL
10 mM	0.2285 mL	1.1425 mL	2.2851 mL
50 mM	0.0457 mL	0.2285 mL	0.457 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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