

6 α -hydroxy Paclitaxel

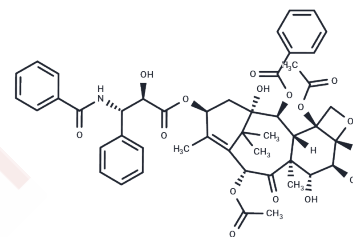
Chemical Properties

CAS No. : 153212-75-0

Formula: C₄₇H₅₁N₁O₁₅

Molecular Weight: 869.91

Storage: Store at low temperature, Keep away from direct sunlight
 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	6 α -hydroxy Paclitaxel (6 α -OH-PTX) is the main metabolite of paclitaxel (natural product), with myelotoxicity. It enhances the anti-leukemia activity of paclitaxel under non-cytotoxic conditions, and is used for leukemia research.
Targets(IC50)	Drug Metabolite

Solubility Information

Solubility	Methanol: 10 mg/mL (11.5 mM), Sonication is recommended. DMSO: 10 mg/mL (11.5 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	1.1495 mL	5.7477 mL	11.4954 mL
5 mM	0.2299 mL	1.1495 mL	2.2991 mL
10 mM	0.115 mL	0.5748 mL	1.1495 mL
50 mM	0.023 mL	0.115 mL	0.2299 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

Mori D, et al. Alteration in the Plasma Concentrations of Endogenous Organic Anion-Transporting Polypeptide 1B Biomarkers in Patients with Non-Small Cell Lung Cancer Treated with Paclitaxel. Drug Metab Dispos. 2020 May;48 (5):387-394.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481