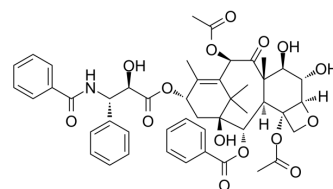


6 α -Hydroxy paclitaxel

Cat. No.:	HY-125348
CAS No.:	153212-75-0
Molecular Formula:	C ₄₇ H ₅₁ NO ₁₅
Molecular Weight:	869.91
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	<div>Powder -20°C 3 years</div> <div>In solvent -80°C 6 months</div> <div> -20°C 1 month</div>



SOLVENT & SOLUBILITY

In Vitro

DMSO : 5 mg/mL (5.75 mM; Need ultrasonic and warming)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.1495 mL	5.7477 mL	11.4954 mL
	5 mM		0.2299 mL	1.1495 mL	2.2991 mL
	10 mM		---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

6 α -Hydroxy paclitaxel is a primary metabolite of Paclitaxel. 6 α -Hydroxy paclitaxel retains a time-dependent effect on organic anion-transporting polypeptides 1B1/*SLC01B1* (OATP1B1) with similar inhibition potency to Paclitaxel, whereas it no longer showed time-dependent inhibition of OATP1B3. 6 α -Hydroxy paclitaxel can be used for the research of cancer^[1].

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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