

## 7-epi-Taxol

### Chemical Properties

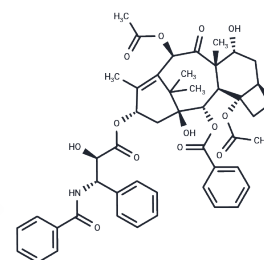
CAS No. : 105454-04-4

Formula: C47H51NO14

Molecular Weight: 853.91

Storage: Keep away from direct sunlight, Store under nitrogen  
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	1. 7-epi-Taxol (7-Epitaxol) is the major derivative of taxol found in cells and that its presence does not alter, in a major way, the overall biological activity of taxol.
Targets(IC50)	Microtubule Associated

### Solubility Information

Solubility	DMSO: 91 mg/mL (106.57 mM), Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (3.86 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1711 mL	5.8554 mL	11.7108 mL
5 mM	0.2342 mL	1.1711 mL	2.3422 mL
10 mM	0.1171 mL	0.5855 mL	1.1711 mL
50 mM	0.0234 mL	0.1171 mL	0.2342 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

Pessina A , Bagnati R , Alessandri G , et al. Mesenchymal Stromal Cells Uptake and Release Paclitaxel without Reducing its Anticancer Activity[J]. Anti-Cancer Agents in Medicinal Chemistry (Formerly Current Medicinal Chemistry - Anti-Cancer Agents), 2015, 15(3):-.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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