

Docetaxal

Chemical Properties

CAS No. : 125354-16-7

Formula: C₄₅H₅₅NO₁₅

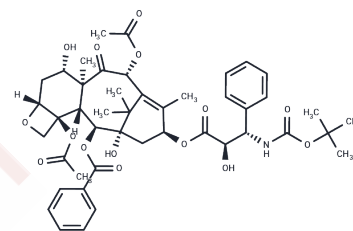
Molecular Weight: 849.92

Keep away from moisture, Keep away from direct sunlight

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	Docetaxal (10-Acetyl docetaxel) is an analogue of Docetaxel, which is a microtubule inhibitor. Docetaxal can be used in cancer research.
Targets(IC50)	Others,ADC Cytotoxin
In vitro	Docetaxel, an anticancer compound, is extracted from patent CN107793382A[2].

Solubility Information

Solubility	DMSO: 80 mg/mL (94.13 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (3.88 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	1.1766 mL	5.8829 mL	11.7658 mL
5 mM	0.2353 mL	1.1766 mL	2.3532 mL
10 mM	0.1177 mL	0.5883 mL	1.1766 mL
50 mM	0.0235 mL	0.1177 mL	0.2353 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

Yao, Peng, et al. Preparation of crystal form of dihydrate and DMSO solvate of anticancer compound CX1409. CN107793382A.

Yao, Peng, et al. Preparation of crystal form of dihydrate and DMSO solvate of anticancer compound CX1409. CN107793382A.

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