

## TAXUSIN

## Chemical Properties

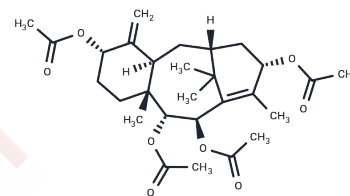
CAS No. : 19605-80-2

Formula: C<sub>28</sub>H<sub>40</sub>O<sub>8</sub>

Molecular Weight: 504.61

Storage: Keep away from moisture, Store at low temperature  
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	TAXUSIN is a natural product of the yew tree and has certain anticancer and analgesic activities.
Targets(IC50)	Others
In vitro	<b>METHODS:</b> Taxusin and verapamil (0.1/1/10µg/mL) were used to determine the accumulation of vincristine (VCR) in multi-drug-resistant human ovarian cancer 2780AD cells. <b>RESULTS</b> Taxusin's activity against VCR accumulation in multidrug-resistant tumor cells was approximately 1.5 times that of microverapamil. [1]
In vivo	<b>METHODS:</b> Taxusin was administered to mice at 30 mg/kg by intraperitoneal injection to treat the painful effect of abdominal contraction caused by p-benzoquinone. <b>RESULTS</b> Taxusin exhibited significant analgesic effects on abdominal contractions induced by p-benzoquinone.

## Solubility Information

Solubility	DMSO: 6.25 mg/mL (12.39 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	1.9817 mL	9.9086 mL	19.8173 mL
5 mM	0.3963 mL	1.9817 mL	3.9635 mL
10 mM	0.1982 mL	0.9909 mL	1.9817 mL
50 mM	0.0396 mL	0.1982 mL	0.3963 mL

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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

Bai J, et al. Taxoids and abietanes from callus cultures of *Taxus cuspidata*. *J Nat Prod*. 2005 Apr;68(4):497-501.

Küpeli E, et al. Anti-inflammatory and antinociceptive activity of taxoids and lignans from the heartwood of *Taxus baccata* L. *J Ethnopharmacol*. 2003 Dec;89(2-3):265-70.

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