

## Baccatin VI

## Chemical Properties

CAS No. : 57672-79-4

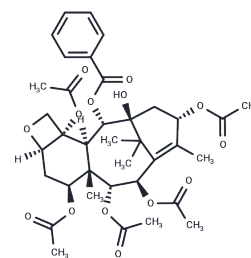
Formula: C<sub>37</sub>H<sub>46</sub>O<sub>14</sub>

Molecular Weight: 714.75

Store at low temperature

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	Baccatin VI possesses significant antinociceptive activity against p-benzoquinone-induced abdominal contractions.
Targets(IC50)	Others
In vitro	The dynamic variations of several important taxanes, taxol, baccatin III (B-III), 1-acetyl-5,7,10-deacetyl-baccatin I (DAB-I) and Baccatin VI (B-VI), were investigated in post-harvest clippings of <i>Taxus chinensis</i> . METHODS AND RESULTS: The clippings were preserved over 20 days at two different temperatures (4 degrees C and room temperature), or by cuttage in the light and in the dark, or promptly dried. The accumulation of taxol in needles of the clippings was found increase in the initial stages of the stored period and then decreased gradually. The maximum accumulation of taxol occurred in the case of cold storing (4 degrees C) at day 3, doubling the data on the day when the biomass was harvested. In contrast, in the cases of cold storage and cuttage the contents of the other three taxanes showed a sharp decrease at the beginning and then an increase from 3 to 6 days, and subsequently a drop until day 20. The similar variation of taxane contents was not found in the needles of immediately dried clippings as well as in the stem samples of clippings. CONCLUSIONS: These results indicated that the content variation of taxol and related taxanes of post-harvest clippings was related to the manner of preservation, timing and plant tissue. Moreover, the mechanism of the fluctuation of the taxane contents in post-harvest clippings is discussed, in particular taxol biosynthesis in response to mechanical wounding of

### Preparing Stock Solutions

---

	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	1.3991 mL	6.9955 mL	13.9909 mL
5 mM	0.2798 mL	1.3991 mL	2.7982 mL
10 mM	0.1399 mL	0.6995 mL	1.3991 mL
50 mM	0.028 mL	0.1399 mL	0.2798 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

The dynamic variation of several important taxane content in post-harvest *Taxus chinensis* clippings. *J Asian Nat Prod Res.* 2006 Apr-May;8(3):229-39.

**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