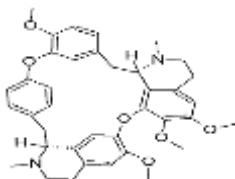


**PRODUCT: Tetrandine**

**ALTERNATE NAMES:** (4aS,16aS)-3,4,4a,5,16a,17,18,19-octahydro-12,21,22,26-tetramethoxy-4,17-dimethyl-16H-1,24:6,9-dietheno-11,15-metheno-2H-pyrido[2',3':17,18][1,11]dioxacycloeicosino[2,3,4-ij]isoquinoline; NSC 77037; d-Tetrandine

**CATALOG NUMBER:** B2089-100, 500

**AMOUNT:** 100 mg, 500 mg

**STRUCTURE:**

**MOLECULAR FORMULA:** C<sub>38</sub>H<sub>42</sub>N<sub>2</sub>O<sub>6</sub>

**MOLECULAR WEIGHT:** 622.8

**CAS NUMBER:** 518-34-3

**APPEARANCE:** Off-white solid

**SOLUBILITY:** DMSO

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20 °C. Protect from air and light

**DESCRIPTION:** Tetrandine is a bisbenzylisoquinoline alkaloid that displays very broad pharmacological actions, including anti-tumor activity. It enhances the cytotoxicity of MDR-related drugs via modulation of P-gp. Also acts as a calcium channel blocker.

**REFERENCES:** Choi, S.U., *et al.* (1998). *Anticancer Drugs* **9**, 255-261.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Betulinic Acid (**Cat. No. 1552-25**)  
 Bexarotene (**Cat. No. 1575-5, 50**)  
 Camptothecin (**Cat. No. 1039-1, 50MG, 500MG**)  
 10-Hydroxycamptothecin (**Cat. No. B1995-50, 250**)  
 Capecitabine (Cat. No. 1741-100, 1000)  
 Carboplatin (**Cat. No. 1553-100**)  
 Cisplatin (**Cat. No. 1550-100,1000**)  
 Colchicine (**Cat. No. 1519-1000**)  
 Daunorubicin.HCl (**1524-10,50,500**)  
 Docetaxel (**Cat. No. 2232-10, 50**)  
 Doxorubicin HCl (**Cat. No. 1527-5**)  
 (-)-Epigallocatechin gallate (**Cat. No. 1841-50**)  
 Epothilone B (**Cat. No. 2012-1, 5**)  
 Fludarabine Phosphate (**Cat. No. 1763-10, 50**)  
 Gemcitabine Hydrochloride (**Cat. No. 1759-25, 100**)  
 Genistein (**Cat. No. 1533-10**)  
 Lasalocid Sodium (**Cat. No. B1587-5,25**)  
 Ilimaquinone (**Cat. No. 2038-100**)  
 Nedaplatin (**Cat. No. 1576-5**)  
 Nimustine hydrochloride (**Cat. No. B2069-10, 50**)  
 Nocodazole (**Cat. No. 2185-10, 50**)  
 Oxaliplatin (**Cat. No. 1577-25**)  
 Piperlongumine (**Cat. No. 1919-10, 50**)  
 Paclitaxel (**Cat. No. 1567-25**)  
 Solamargine (**Cat. No. B1586-5,25**)  
 Tamoxifen Citrate (**Cat. No. 1551-1000**)  
 TASIN-1 hydrochloride (**Cat. No. B2088-1,5**)  
 Vinorelbine Tartrate (**Cat. No. 1957-5, 25**)

**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**