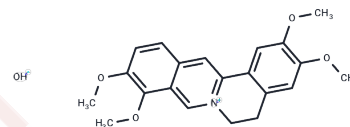


Palmatine hydroxide

Chemical Properties

CAS No. :	131-04-4
Formula:	C ₂₁ H ₂₃ N ₀₅
Molecular Weight:	369.41
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	Palmatine hydroxide is an orally active, irreversible inhibitor of indoleamine 2,3-dioxygenase 1 (IDO-1), demonstrating IC ₅₀ values of 3 μM for HEK 293-hIDO-1 and 157 μM for rhIDO-1. Additionally, it uncompetitively inhibits the West Nile virus (WNV) NS2B-NS3 protease with an IC ₅₀ of 96 μM. This compound exhibits a range of biological activities, including anti-cancer, anti-oxidation, anti-inflammatory, neuroprotective, antibacterial, and antiviral effects.
Targets(IC ₅₀)	Apoptosis,Others,Antibacterial,AChR,Parasite,Aurora Kinase,IDO,Indoleamine 2,3-Dioxygenase (IDO),Virus Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.707 mL	13.5351 mL	27.0702 mL
5 mM	0.5414 mL	2.707 mL	5.414 mL
10 mM	0.2707 mL	1.3535 mL	2.707 mL
50 mM	0.0541 mL	0.2707 mL	0.5414 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.

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