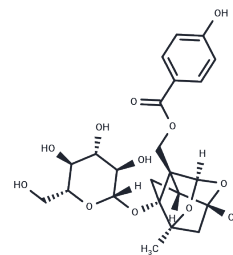


Oxypaeoniflorin

Chemical Properties

CAS No. :	39011-91-1
Formula:	C ₂₃ H ₂₈ O ₁₂
Molecular Weight:	496.46
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	Oxypaeoniflorin a monoterpene glycoside compound isolated from Paeoniae, is an antioxidant, is neuroprotective and anti-inflammatory.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 100 mg/mL (201.43 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (8.06 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	2.0143 mL	10.0713 mL	20.1426 mL
5 mM	0.4029 mL	2.0143 mL	4.0285 mL
10 mM	0.2014 mL	1.0071 mL	2.0143 mL
50 mM	0.0403 mL	0.2014 mL	0.4029 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

M. Kaneda, Chemical studies on the oriental plant drugs—XXXIII : The absolute structures of paeoniflorin, albiflorin, oxypaeoniflorin and benzoylpaeoniflorin isolated from chinese paeony root. Tetrahedron Volume 28, Issue 16, 1972, Pages 4309-4317

Feng C, et al. Pharmacokinetic properties of paeoniflorin, albiflorin and oxypaeoniflorin after oral gavage of extracts of Radix Paeoniae Rubra and Radix Paeoniae Alba in rats. J Ethnopharmacol. 2010 Jul 20;130(2):407-13.

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