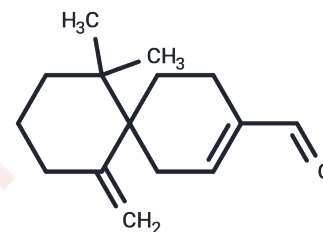


Chamigrenal

Chemical Properties

CAS No. :	19912-84-6
Formula:	C ₁₅ H ₂₂ O
Molecular Weight:	218.33
Storage:	Keep away from direct sunlight, Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	β -Chamigrenal has anti-inflammatory activity, it has inhibitory effects on lipopolysaccharide-induced nitric oxide and prostaglandin E ₂ production in RAW 264.7 macrophages. Chamigrenal shows platelet-activating factor antagonistic activity and the IC ₅₀ value of 1.2x10 ⁻⁴ M; it also exhibits weak cytotoxicity towards MCF-7 cells (IC ₅₀ =30.50 μ M).
Targets(IC ₅₀)	EGFR,NOS,COX,PAFR,Prostaglandin Receptor

Solubility Information

Solubility	Ethanol: 100 mg/mL (458.02 mM), Sonication and heating are recommended. DMSO: 100 mg/mL (458.02 mM), Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5802 mL	22.9011 mL	45.8022 mL
5 mM	0.916 mL	4.5802 mL	9.1604 mL
10 mM	0.458 mL	2.2901 mL	4.5802 mL
50 mM	0.0916 mL	0.458 mL	0.916 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