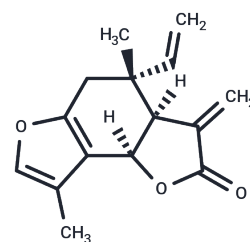


Isolinderalactone

Chemical Properties

CAS No. :	957-66-4
Formula:	C ₁₅ H ₁₆ O ₃
Molecular Weight:	244.29
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Isolinderalactone shows anti-inflammatory and anticancer capacity, and it exhibits moderate iNOS inhibitory activity, with the IC ₅₀ value of 0.30 μ M.
Targets(IC ₅₀)	NOS,STAT
In vitro	Isolinderalactone induces apoptosis in MDA-MB-231 cells and suppresses STAT3 signaling pathway through regulation of SOCS3 and miR-30c, may become a novel treatment for triple-negative breast cancer in the future.

Solubility Information

Solubility	DMSO: 22.5 mg/mL (92.1 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0935 mL	20.4675 mL	40.935 mL
5 mM	0.8187 mL	4.0935 mL	8.187 mL
10 mM	0.4093 mL	2.0467 mL	4.0935 mL
50 mM	0.0819 mL	0.4093 mL	0.8187 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.

Reference

Wong S L , Chang H S , Wang G J , et al. Secondary metabolites from the roots of *Neolitsea daibuensis* and their anti-inflammatory activity.[J]. Journal of Natural Products, 2011, 74(12):2489-96.

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:36 Washington Street,Wellesley Hills,MA 02481