

Illicic acid

Chemical Properties

CAS No. :	4586-68-9
Formula:	C ₁₅ H ₂₄ O ₃
Molecular Weight:	252.35
Storage:	Keep away from direct sunlight,Keep away from moisture 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	Illicic acid is a natural product isolated from Laggera species belonging to the Asteraceae family.
Targets(IC50)	Others
In vitro	Illicic acid (48h) has antiproliferative activity in human solid tumor cell lines (A2780, HBL-100, HeLa, SW1573, Y-47D, WiDr) with GI50 value >100µM using the sulforhodamine B (SRB) assay[1]. Illicic acid inhibits the serotonin release in bovine platelets with IC50 value >614.2µM[2].

Solubility Information

Solubility	DMSO: 80 mg/mL (317.02 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9628 mL	19.8138 mL	39.6275 mL
5 mM	0.7926 mL	3.9628 mL	7.9255 mL
10 mM	0.3963 mL	1.9814 mL	3.9628 mL
50 mM	0.0793 mL	0.3963 mL	0.7926 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

León LG, ET AL. Tessaric acid derivatives induce G2/M cell cycle arrest in human solid tumor cell lines. Bioorg Med Chem. 2009 Sep 1;17(17):6251-6. doi: 10.1016/j.bmc.2009.07.053. Epub 2009 Jul 25.

Wagner S, et al. Neural networks as valuable tools to differentiate between sesquiterpene lactones' inhibitory activity on serotonin release and on NF-kappaB. J Med Chem. 2008 Mar 13;51(5):1324-32.

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