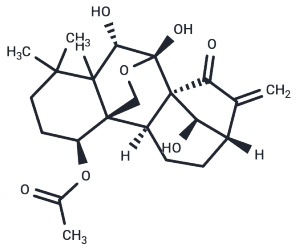
Data Sheet (Cat.No.TN1854)

TargetMol

Lasiodin

Chemical Properties



CAS No. :	28957-08-6
Formula:	C22H30O7
Molecular Weight:	406.47
Storage:	High Volatility,Keep away from moisture 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	Lasiodin (Lasiokaurin) is a diterpene compound from the plant Camellia sinensis that inhibits the proliferation of NPC cells. Lasiodin has antioxidant, antitumor and antibacterial activities, induces cell cycle length and apoptosis, induces cell migration and invasion, and can be used in the study of nasopharyngeal carcinoma.
Targets(IC50)	Apoptosis,Others,Caspase,Cytochromes P450,PARP,PLK

Solubility Information

Solubility	DMSO: 60 mg/mL (147.61 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: 2 mg/mL (4.92 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4602 mL	12.301 mL	24.6021 mL
5 mM	0.492 mL	2.4602 mL	4.9204 mL
10 mM	0.246 mL	1.2301 mL	2.4602 mL
50 mM	0.0492 mL	0.246 mL	0.492 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

Becanovic K , Donno M , Sousa V C , et al. Effects of a Novel Psychomotor Stabilizer, IRL790, on Biochemical Measures of Synaptic Markers and Neurotransmission[J]. Journal of Pharmacology and Experimental Therapeutics, 2020, 374(1):jpet.119.264754.