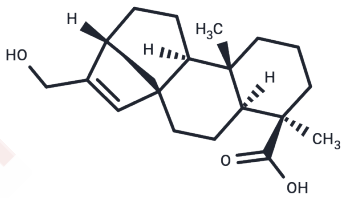
Data Sheet (Cat.No.TN3941)

TargetMol

ent-17-Hydroxykaur-15-en-19-oic acid

Chemical Properties



CAS No. : 35030-38-7

Formula: C20H30O3

Molecular Weight: 318.45

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	ent-17-Hydroxykaur-15-en-19-oic acid, a natural compound present in the leaves of the aromatic tree, exhibits an IC50 of 17.63 μg/mL against human prostate cells.
Targets(IC50)	Others
In vitro	Ent-17-Hydroxykaur-15-en-19-oic acid (6-50microg/mL) was evaluated for cytotoxicity against human prostate (22Rv1, LNCaP), colon (HT29, HCT116, SW480, SW620), and breast (MCF-7) tumor cells. It showed activity in all cell lines tested, with the prostate cells demonstrating the most sensitivity (IC(50) 17.63microg/mL).[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1402 mL	15.7011 mL	31.4021 mL
5 mM	0.628 mL	3.1402 mL	6.2804 mL
10 mM	0.314 mL	1.5701 mL	3.1402 mL
50 mM	0.0628 mL	0.314 mL	0.628 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

Henry GE, et al. Kaurene diterpenes from Laetia thamnia inhibit the growth of human cancer cells in vitro. Cancer Lett. 2006 ; 244(2):190.194.

Matsumoto S, et al. Bio-guided optimization of the ultrasound-assisted extraction of compounds from Annona glabra L. leaves using the etiolated wheat coleoptile bioassay. Ultrason Sonochem. 2014 ; 21(4):1578-1584.

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