

Britannilactone diacetate

Chemical Properties

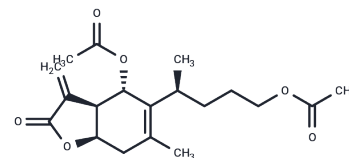
CAS No. : 1286694-67-4

Formula: C₁₉H₂₆O₆

Molecular Weight: 350.41

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	1,6-O,O-Diacetylbritannilactone(OODBL) has anti-inflammatory activity, it has a potential therapeutic efficacy on inflammatory diseases especially allergic airway disease as a lead compound. OODBL has anti-asthmatic activity, it reduces leukotriene C4 production and degranulation through the suppression of cytosolic phospholipase A2 phosphorylation and phospholipase Cγ-mediated Ca ²⁺ influx in IgE/antigen-stimulated BMMCs. OODBL also exhibits potent antitumor activity against several human cancer cell lines.
Targets(IC50)	IL Receptor,PARP,ROS,MAPK,Caspase,JAK,JNK,STAT

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8538 mL	14.269 mL	28.538 mL
5 mM	0.5708 mL	2.8538 mL	5.7076 mL
10 mM	0.2854 mL	1.4269 mL	2.8538 mL
50 mM	0.0571 mL	0.2854 mL	0.5708 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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