

## Britannilactone diacetate

## Chemical Properties

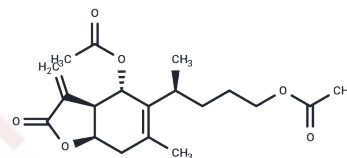
CAS No. : 1286694-67-4

Formula: C<sub>19</sub>H<sub>26</sub>O<sub>6</sub>

Molecular Weight: 350.41

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	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 C $\gamma$ -mediated Ca <sup>2+</sup> influx in IgE/antigen-stimulated BMMCs. OODBL also exhibits potent antitumor activity against several human cancer cell lines.
Targets(IC50)	MAPK,Caspase,NO Synthase,STAT,IL Receptor,JAK,JNK,PARP,ROS

## 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.

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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