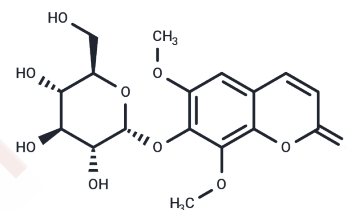


## Eleutheroside B1

## Chemical Properties

CAS No. :	16845-16-2
Formula:	C <sub>17</sub> H <sub>20</sub> O <sub>10</sub>
Molecular Weight:	384.33
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	Eleutheroside B1 mediates its anti-influenza activity through POLR2A and N-glycosylation. Eleutheroside B1 inhibits the mRNA expression of several chemokine genes and the influenza nucleoprotein (NP) gene, and exhibits low cytotoxicity. Antiviral and anti-inflammatory activities.
Targets(IC50)	Influenza Virus
In vitro	eleutheroside B1 may affect N-glycan biosynthesis, the chemokine signaling pathway, cytokine-cytokine receptor interaction and, in particular, may target the POLR2A to inhibit the production of influenza virus genes.

## Solubility Information

Solubility	DMSO: 75 mg/mL (195.14 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6019 mL	13.0097 mL	26.0193 mL
5 mM	0.5204 mL	2.6019 mL	5.2039 mL
10 mM	0.2602 mL	1.301 mL	2.6019 mL
50 mM	0.052 mL	0.2602 mL	0.5204 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

Wen, Yan, Chung, et al. Eleutheroside B1 mediates its anti-influenza activity through POLR2A and N-glycosylation.[J]. International Journal of Molecular Medicine, 2018.

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