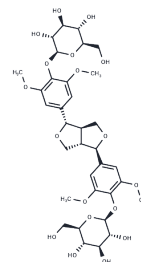


Eleutheroside E

Chemical Properties

CAS No. :	39432-56-9
Formula:	C ₃₄ H ₄₆ O ₁₈
Molecular Weight:	742.72
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Eleutheroside E has anti-inflammatory effects by inhibiting NF-κB activities. Eleutheroside E significantly decreases the inflammatory cell infiltration, pannus formation, cartilage damage, bone erosion of CIA mice, the generation of TNF-α and IL-6, the metabolism of drugs metabolized via CYP2C9 and CYP2E1. Eleutheroside E may treat rheumatoid arthritis or increase the toxicity of the drugs.
Targets(IC50)	NF-κB

Solubility Information

Solubility	DMSO: 55 mg/mL (74.05 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	1.3464 mL	6.732 mL	13.464 mL
5 mM	0.2693 mL	1.3464 mL	2.6928 mL
10 mM	0.1346 mL	0.6732 mL	1.3464 mL
50 mM	0.0269 mL	0.1346 mL	0.2693 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.

Reference

- Kil YS, et al. Arch Pharm Res. 2015 Nov;38(11):1921-5.
 Jung M A, Song H K, Jo K, et al. Gleditsia sinensis Lam. aqueous extract attenuates nasal inflammation in allergic rhinitis by inhibiting MUC5AC production through suppression of the STAT3/STAT6 pathway. Biomedicine & Pharmacotherapy. 2023, 161: 114482.
 He C, et al. Inflammation. 2014 Oct;37(5):1533-43.
 Kim Y J, Kim T I, Lee A, et al. Sinomenium acutum Modulates Platelet Aggregation and Thrombus Formation by Regulating the Glycoprotein VI-Mediated Signalosome in Mice. Pharmaceuticals. 2023, 17(1): 6.

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