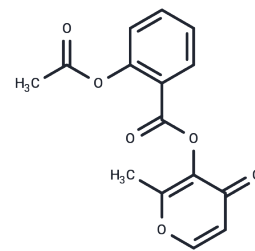


Aspalatone

Chemical Properties

CAS No. :	147249-33-0
Formula:	C ₁₅ H ₁₂ O ₆
Molecular Weight:	288.25
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	Aspalatone is an anti-platelet aggregator (IC ₅₀ = 180 μM, in vitro) that prolongs bleeding time significantly in a rodent model of thromboembolism. Additionally at a minimal effective dose of 24 mg/kg, aspalatone generates antioxidant and neuroprotective effects against kainic acid-induced epilepsy in rat hippocampus.
Targets(IC ₅₀)	Others, Reactive Oxygen Species

Solubility Information

Solubility	Ethanol: 1 mg/mL (3.47 mM), Sonication is recommended. DMSO: 10 mg/mL (34.69 mM), Sonication is recommended. DMF: 10 mg/mL (34.69 mM), Sonication is recommended. DMSO:PBS (pH 7.2) (1:10): 0.1 mg/mL (0.35 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	3.4692 mL	17.3461 mL	34.6921 mL
5 mM	0.6938 mL	3.4692 mL	6.9384 mL
10 mM	0.3469 mL	1.7346 mL	3.4692 mL
50 mM	0.0694 mL	0.3469 mL	0.6938 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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