

Scutellarein 4'-methyl ether 7-O-glucuronide

Chemical Properties

CAS No. :	64924-06-7
Formula:	C ₂₂ H ₂₀ O ₁₂
Molecular Weight:	476.39
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Scutellarein 4'-methyl ether 7-O-glucuronide (Clerodendroside) is a flavonoid inhibitor of acetylcholinesterase (AChE) with an IC ₅₀ of 1 mg/mL. It can be isolated from <i>Plectranthus barbatus</i> and also exhibits antioxidant properties, making it applicable in research on neurological disorders such as Alzheimer's disease.
Targets(IC ₅₀)	Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0991 mL	10.4956 mL	20.9912 mL
5 mM	0.4198 mL	2.0991 mL	4.1982 mL
10 mM	0.2099 mL	1.0496 mL	2.0991 mL
50 mM	0.042 mL	0.2099 mL	0.4198 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.

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