

Dihydrokaempferol 3-O-glucoside

Chemical Properties

CAS No. :	31049-08-8
Formula:	C ₂₁ H ₂₂ O ₁₁
Molecular Weight:	450.39
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	Dihydrokaempferol-3-O-β-D-glucoside is a naturally occurring compound isolated from the bark of <i>Cudrania tricuspidata</i> (Carr.) Bur. Dihydrokaempferol-3-O-β-D-glucoside functions as an inhibitor of acetylcholinesterase (AChE). The acetylcholinesterase inhibitory activity of Dihydrokaempferol-3-O-β-D-glucoside supports the utilization of Dihydrokaempferol-3-O-β-D-glucoside in studies examining cholinergic signaling, neurochemical regulation, and natural product-derived enzyme modulators.
Targets(IC50)	Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2203 mL	11.1015 mL	22.203 mL
5 mM	0.4441 mL	2.2203 mL	4.4406 mL
10 mM	0.222 mL	1.1101 mL	2.2203 mL
50 mM	0.0444 mL	0.222 mL	0.4441 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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