

Meranzin hydrate

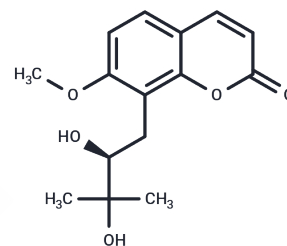
Chemical Properties

CAS No. : 5875-49-0

Formula: C₁₅H₁₈O₅

Molecular Weight: 278.3

Storage: Keep away from moisture, Keep away from direct sunlight
 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	Meranzin hydrate exhibits antidepressive and prokinetic-like effects through the regulation of the common mediator, the alpha 2-adrenoceptor, and α -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptors; it produces a rapid effect mediated by AMPA receptors and involving BDNF modulation through the ERK1/2 pathway.
Targets(IC50)	ERK, Adrenergic Receptor

Solubility Information

Solubility	DMSO: 55 mg/mL (197.63 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	3.5932 mL	17.9662 mL	35.9324 mL
5 mM	0.7186 mL	3.5932 mL	7.1865 mL
10 mM	0.3593 mL	1.7966 mL	3.5932 mL
50 mM	0.0719 mL	0.3593 mL	0.7186 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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