

Antioxidant agent-8

Chemical Properties

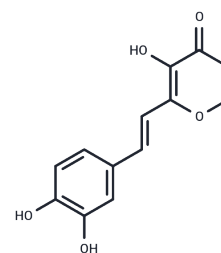
CAS No. :

Formula: C₁₃H₁₂O₅

Molecular Weight: 248.23

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	Antioxidant agent-8, an orally active compound, inhibits A β 1-42 deposition by preventing fibril aggregation (IC 50 = 11.15 μ M) and aiding in fibril disaggregation (IC 50 = 6.87 μ M). It counteracts Cu ²⁺ -induced A β 1-42 fibril aggregation and disaggregation with lower IC 50 values of 3.69 μ M and 3.35 μ M, respectively. Additionally, it exhibits antioxidant and anti-inflammatory activities, demonstrates biosafety and blood-brain barrier permeability, and provides a neuroprotective effect.
Targets(IC50)	Beta Amyloid,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0285 mL	20.1426 mL	40.2852 mL
5 mM	0.8057 mL	4.0285 mL	8.057 mL
10 mM	0.4029 mL	2.0143 mL	4.0285 mL
50 mM	0.0806 mL	0.4029 mL	0.8057 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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