

Rhetsinine

Chemical Properties

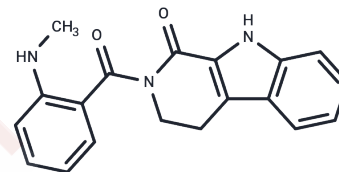
CAS No. : 526-43-2

Formula: C₁₉H₁₇N₃O₂

Molecular Weight: 319.357

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	Rhetsinine is an aldose reductase inhibitor identified in <i>Evodia rutaecarpa</i> , with an IC ₅₀ value of 24.1 μM. At a concentration of 100 μM, Rhetsinine significantly reduces sorbitol accumulation, achieving an inhibition rate of 79.3%. This compound is applicable in research concerning diabetic complications, such as diabetic neuropathy and retinopathy.
Targets(IC ₅₀)	Reductase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1313 mL	15.6563 mL	31.3126 mL
5 mM	0.6263 mL	3.1313 mL	6.2625 mL
10 mM	0.3131 mL	1.5656 mL	3.1313 mL
50 mM	0.0626 mL	0.3131 mL	0.6263 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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