

(R)-Isomucronulatol

Chemical Properties

CAS No. : 64474-51-7

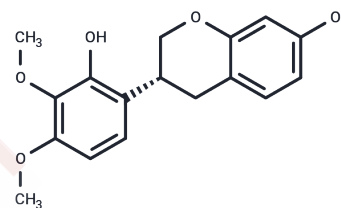
Formula: C₁₇H₁₈O₅

Molecular Weight: 302.32

Store at low temperature

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	(R)-Isomucronulatol (2H-1-Benzopyran-7-ol), a flavonoid that can be extracted from the leaves of Astragalus membranaceus, Sophora japonica, Sclerotium tigrinum, and Glycyrrhiza glabra, inhibits the proliferation and apoptosis of BMSCs in the TNF- α microenvironment. (R)-Isomucronulatol has potential anti-inflammatory activity.
Targets(IC50)	Apoptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3078 mL	16.5388 mL	33.0775 mL
5 mM	0.6616 mL	3.3078 mL	6.6155 mL
10 mM	0.3308 mL	1.6539 mL	3.3078 mL
50 mM	0.0662 mL	0.3308 mL	0.6616 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.

Reference

Ma Z, et al. Flavonoids from the seeds of Sphaerophysa salsula. J Asian Nat Prod Res. 2004;6(1):69-73.

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