

3'-O-Methylrobol

Chemical Properties

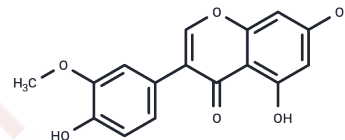
CAS No. : 36190-95-1

Formula: C₁₆H₁₂O₆

Molecular Weight: 300.26

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	3'-O-Methylrobol exhibits moderate antioxidant activity in the 2,2-diphenyl-1-picrylhydrazyl free radical scavenging assay, it also exerts potential analgesic properties. 3'-O-Methylrobol can increase osteoblast differentiation.
Targets(IC50)	Others
In vitro	One flavonoid, diosmetin (1), and two isoflavonoids, 3'-hydroxybiochanin A (2) and 3'-O-Methylrobol (3), were isolated from the methanol extract of <i>Eclipta prostrata</i> L. by a bioactivity-guided fractionation technique using primary cultures of mouse osteoblasts as an in vitro assay system[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3304 mL	16.6522 mL	33.3045 mL
5 mM	0.6661 mL	3.3304 mL	6.6609 mL
10 mM	0.333 mL	1.6652 mL	3.3304 mL
50 mM	0.0666 mL	0.333 mL	0.6661 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

Stimulatory constituents of *Eclipta prostrata* on mouse osteoblast differentiation. *Phytother Res.* 2009 Jan;23(1): 129-31.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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