

(3R)-7,4'-Dihydrohomoisoflavanone

Chemical Properties

CAS No. : 1178893-64-5

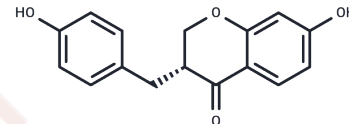
Formula: C₁₆H₁₄O₄

Molecular Weight: 270.28

Keep away from direct sunlight

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	(3R)-7,4'-Dihydrohomoisoflavanone, a natural compound, exhibits potent antibacterial properties against both <i>S. aureus</i> and methicillin-resistant <i>Staphylococcus aureus</i> (MRSA).
Targets(IC50)	Antibacterial
In vitro	(3R)-7,4'-Dihydrohomoisoflavanone exhibits cytotoxic effects on K-562, SMMC-7721, and SGC-7901 cell lines, demonstrating IC ₅₀ values of 15.6 µg/mL, 30.2 µg/mL, and 20.5 µg/mL, respectively[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6999 mL	18.4993 mL	36.9987 mL
5 mM	0.740 mL	3.6999 mL	7.3997 mL
10 mM	0.370 mL	1.8499 mL	3.6999 mL
50 mM	0.074 mL	0.370 mL	0.740 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

Ying Luo, et al. Cytotoxic and antibacterial flavonoids from dragon's blood of *Dracaena cambodiana*. *Planta Med.* 2011 Dec;77(18):2053-6.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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