

(2R,3R)-7,3',4'-Trihydroxy-5-methoxy-flavanonol

Chemical Properties

CAS No. :	139493-38-2
Formula:	C16H14O7
Molecular Weight:	318.28
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	(2R,3R)-7,3',4'-Trihydroxy-5-methoxy-flavanonol is a flavonoid that acts as a selective inhibitor of human liver cancer cell growth, with an IC50 of 38.6 µg/mL (121.5 µM). It exhibits dose-dependent cytotoxic activity, effectively inhibiting cancer cell growth with anticancer potency comparable to Cisplatin. This compound is useful for research in areas related to liver cancer and other cancers.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1419 mL	15.7094 mL	31.4189 mL
5 mM	0.6284 mL	3.1419 mL	6.2838 mL
10 mM	0.3142 mL	1.5709 mL	3.1419 mL
50 mM	0.0628 mL	0.3142 mL	0.6284 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.

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