

Dihydrorobinetin

Chemical Properties

CAS No. : 4382-33-6

Formula: C₁₅H₁₂O₇

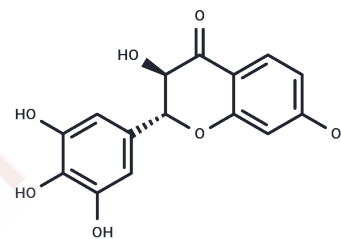
Molecular Weight: 304.25

Storage:

Store at low temperature, Keep away from moisture,
Keep away from direct sunlight

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	Dihydrorobinetin ((+)-Dihydrorobinetin) is a compound extracted from Robinia pseudoacacia. It is a marker of vinegar aging in Robinia pseudoacacia wood. It has antioxidant activity and is often added to skin care products.
Targets(IC50)	Antioxidant
In vitro	(+)-Dihydrorobinetin exhibits antioxidant activity in vitro, as measured by DPPH and ORAC methods.[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2868 mL	16.4339 mL	32.8677 mL
5 mM	0.6574 mL	3.2868 mL	6.5735 mL
10 mM	0.3287 mL	1.6434 mL	3.2868 mL
50 mM	0.0657 mL	0.3287 mL	0.6574 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

Cerezo AB, et al. (+)-Dihydrorobinetin: a marker of vinegar aging in acacia (Robinia pseudoacacia) wood. J Agric Food Chem. 2009 Oct 28;57(20):9551-4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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