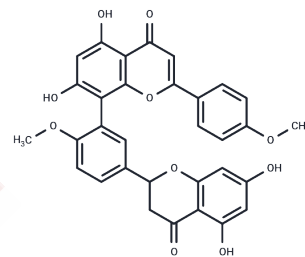


2,3-Dihydroisoginkgetin

Chemical Properties

CAS No. :	828923-27-9
Formula:	C ₃₂ H ₂₄ O ₁₀
Molecular Weight:	568.53
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	2,3-Dihydroisoginkgetin is a Tyrosinase inhibitor with 36.84% inhibition at 0.1 mM.
Targets(IC50)	Tyrosinase
In vitro	In HEMn (human epidermal melanocytes) cells, 2,3-Dihydroisoginkgetin shows less toxicity with an IC50 of 86.16 μM[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7589 mL	8.7946 mL	17.5892 mL
5 mM	0.3518 mL	1.7589 mL	3.5178 mL
10 mM	0.1759 mL	0.8795 mL	1.7589 mL
50 mM	0.0352 mL	0.1759 mL	0.3518 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

Cheng KT, et al. New constituent from Podocarpus macrophyllus var. macrophyllus shows anti-tyrosinase effect and regulates tyrosinase-related proteins and mRNA in human epidermal melanocytes. Chem Pharm Bull (Tokyo). 2007 May;55(5):757-61.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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