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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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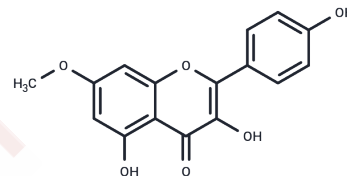
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Rhamnocitrin

Chemical Properties

CAS No. :	569-92-6
Formula:	C ₁₆ H ₁₂ O ₆
Molecular Weight:	300.26
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Rhamnocitrin can enhance the immune function, improve the formation of spleen cells of mice serum hemolysin of chicken red blood cell immune.
Targets(IC50)	Others
In vitro	In cataract, the oxidation-antioxidant equilibrium shift more towards oxidative stress. Accordingly, antioxidants could prove potential anticataract agents. Rhamnocitrin, a flavonoid, possess strong antioxidant effects; can be used effectively to manage the cataract. Therefore, anticataract activity of Rhamnocitrin (10, 20, 40 and 80 µg), isolated from Bauhinia variegata (Leguminosae) stem bark, was studied in ovine and chick embryo lens model. It showed a significant protection against cloudiness in lenses induced by hydrogen peroxide and hydrocortisone in a dose dependent manner.

Solubility Information

Solubility	DMSO: 3.6 mg/mL (11.99 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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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.

Reference

Anticataract activity of rhamnocitrin isolated from Bauhinia variegata stem bark. Oriental Pharmacy and Experimental Medicine, 2012, 12(3): 227 -32.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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