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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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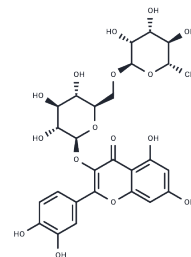
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Rutin

Chemical Properties

CAS No. :	153-18-4
Formula:	C ₂₇ H ₃₀ O ₁₆
Molecular Weight:	610.52
Appearance:	no data available
Storage:	store at low temperature, store under nitrogen Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Rutin (Quercetin 3-O-rutinoside), a flavonoid, has a variety of biological activities including antiallergic, anti-inflammatory, antiproliferative, and anticarcinogenic properties.
Targets(IC50)	Beta Amyloid, Prostaglandin Receptor, Autophagy
In vitro	The intraperitoneal injection in mice has determined the median lethal dose (LD50) of Rutin to be 650 mg/kg.
In vivo	Rutin inhibits platelet aggregation and diminishes capillary permeability, thinning the blood and enhancing circulation. Consequently, Rutin may prevent blood clot formation and is utilized in treating heart disease and stroke.

Solubility Information

Solubility	DMSO: 60 mg/mL (98.28 mM), Ethanol: 2 mg/mL (3.27 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6379 mL	8.1897 mL	16.3795 mL
5 mM	0.3276 mL	1.6379 mL	3.2759 mL
10 mM	0.1638 mL	0.819 mL	1.6379 mL
50 mM	0.0328 mL	0.1638 mL	0.3276 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

Jang S A, Hwang Y H, Yang H, et al. Water Extract of *Mentha arvensis* L. Attenuates Estrogen Deficiency-Induced Bone Loss by Inhibiting Osteoclast Differentiation. *Frontiers in Pharmacology*. 2021, 12.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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