

Isorhamnetin 7-O-glucoside

Chemical Properties

CAS No.:	6743-96-0
Formula:	C ₂₂ H ₂₂ O ₁₂
Molecular Weight:	478.4
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Isorhamnetin 7-O-glucoside has antioxidant activity, it showed the peroxynitrite and DPPH scavenging activities with IC ₅₀ values of 2.07 /- 0.17 and 13.3 microM, respectively.
Targets(IC ₅₀)	DPPH: 2.07 /- 0.17 microM others: None
In vitro	From the leaves of Brassica juncea, a radical scavenging Isorhamnetin 7-O-glucoside on peroxynitrite and 1,1-diphenyl-2-picrylhydrazyl (DPPH) was isolated and characterized based on the spectroscopic evidence[1]

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.09 mL	10.452 mL	20.903 mL
5 mM	0.418 mL	2.09 mL	4.181 mL
10 mM	0.209 mL	1.045 mL	2.09 mL
50 mM	0.042 mL	0.209 mL	0.418 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Further isolation of peroxynitrite and 1,1-diphenyl-2-picrylhydrazyl radical scavenging isorhamnetin 7-O-glucoside from the leaves of Brassica juncea L.Arch Pharm Res. 2002 Oct;25(5):625-7.

Inhibitors · Natural Compounds · Compound Libraries

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