

Brassicin

Chemical Properties

CAS No. : 6743-96-0

Formula: C₂₂H₂₂O₁₂

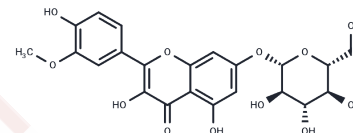
Molecular Weight: 478.4

Keep away from moisture, Keep away from direct sunlight

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	Brassicin is a natural flavonoid exhibiting free radical scavenging activity.
Targets(IC50)	Free radical scavengers
In vitro	Brassicin (Isorhamnetin 7-O-glucoside) showed the peroxyxynitrite and DPPH scavenging activities with IC50 values of 2.07 +/- 0.17 and 13.3 μM, respectively[1].

Solubility Information

Solubility	DMSO: 55 mg/mL (114.97 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0903 mL	10.4515 mL	20.903 mL
5 mM	0.4181 mL	2.0903 mL	4.1806 mL
10 mM	0.209 mL	1.0452 mL	2.0903 mL
50 mM	0.0418 mL	0.209 mL	0.4181 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

Choi JS, et al. 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.

Jin-Gyeong Cho, et al. Flavonoids from the grains of C1/R-S transgenic rice, the transgenic *Oryza sativa* spp. japonica, and their radical scavenging activities. *J Agric Food Chem.* 2013 Oct 30;61(43):10354-9.

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