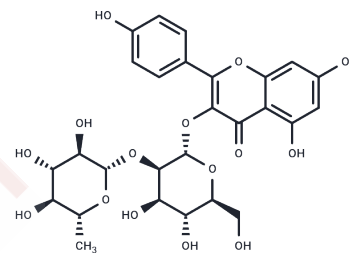


Kaempferol-3-O-glucorhamnoside

Chemical Properties

CAS No. : 40437-72-7
 Formula: C₂₇H₃₀O₁₅
 Molecular Weight: 594.5
 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	Kaempferol-3-O-glucorhamnoside (Kaempferol 3-glucorhamnoside), a flavonoid derived from plant <i>Thesium chinense</i> Turcz, inhibits inflammatory responses via MAPK and NF-κB pathways in vitro and in vivo[1]. Kaempferol-3-O-glucorhamnoside exhibits significant antioxidant activity by scavenging stable DPPH free radicals.
Targets(IC50)	Antioxidant,NF-κB,p38 MAPK

Solubility Information

Solubility	H ₂ O: 2.19 mg/mL (3.68 mM),Sonication is recommended. DMSO: 9 mg/mL (15.14 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	1.6821 mL	8.4104 mL	16.8209 mL
5 mM	0.3364 mL	1.6821 mL	3.3642 mL
10 mM	0.1682 mL	0.841 mL	1.6821 mL
50 mM	0.0336 mL	0.1682 mL	0.3364 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

Sun Z, et al. Kaempferol-3-O-glucorhamnoside inhibits inflammatory responses via MAPK and NF-κB pathways in vitro and in vivo. *Toxicol Appl Pharmacol.* 2019 Feb 1;364:22-28.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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