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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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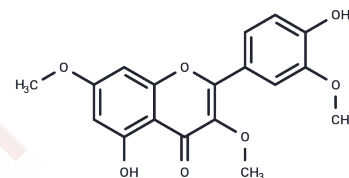
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Pachypodol

Chemical Properties

CAS No. :	33708-72-4
Formula:	C ₁₈ H ₁₆ O ₇
Molecular Weight:	344.32
Appearance:	no data available
Storage:	store at low temperature, keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Pachypodol, a methoxyflavonoid isolated from Pogostemon cablin Benth, has antioxidant and cytoprotective properties and inhibits the growth of CaCo 2 colon cancer cell lines in vitro. Pachypodol protects neonatal rats from anesthesia-induced apoptosis in the developing brain through modulation of the JNK/ERK pathway. PDGFR α kinase inhibitory activity in macrophages exposed to STING agonists.
Targets(IC50)	Antioxidant
In vitro	Pachypodol, acting as a flavonol, is capable of inhibiting the growth of CaCo 2 colon cancer cell lines in vitro, and exhibits certain antioxidant and cytoprotective effects in HepG2 cells[1].

Solubility Information

Solubility	DMSO: 80 mg/mL (232.34 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	2.9043 mL	14.5214 mL	29.0428 mL
5 mM	0.5809 mL	2.9043 mL	5.8086 mL
10 mM	0.2904 mL	1.4521 mL	2.9043 mL
50 mM	0.0581 mL	0.2904 mL	0.5809 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

Kim EK, et al. Pachypodol, a Methoxyflavonoid Isolated from Pogostemon cablin Benth Exerts Antioxidant and Cytoprotective Effects in HepG2 Cells: Possible Role of ERK-Dependent Nrf2 Activation. Int J Mol Sci. 2019 Aug 21;20

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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