

Vitexin 2''-O-p-coumarate

Chemical Properties

CAS No.:	59282-55-2
Formula:	C ₃₀ H ₂₆ O ₁₂
Molecular Weight:	578.5
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Vitexin 2''-O-p-coumarate strongly promotes 2BS cell proliferation induced by H ₂ O ₂ .
Targets(IC ₅₀)	others: None
In vitro	Ten flavonoids were isolated from the ethyl acetate-soluble fraction of the ethanolic extract of the seeds of <i>Trigonella foenum-graecum</i> and their structures were elucidated on the basis of spectroscopic methods to be 5,7,3'-trihydroxy-5'-methoxylisoflavone (1), biochanin A (2), formononetin (3), irilone (4), tricin (5), daidzein (6), calycosin (7), orientin-2''-O-p-trans-coumarate (8), Vitexin 2''-O-p-coumarate (9), and tricin-7-O-beta-D: -glucopyranoside (10).

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	1.729 mL	8.643 mL	17.286 mL
5 mM	0.346 mL	1.729 mL	3.457 mL
10 mM	0.173 mL	0.864 mL	1.729 mL
50 mM	0.035 mL	0.173 mL	0.346 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. New flavonoids with 2BS cell proliferation promoting effect from the seeds of *Trigonella foenum-graecum* L.J Nat Med. 2010 Jul;64(3):358-61.

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