

Dihydroalpinumisoflavone

Chemical Properties

CAS No.:	63807-90-9
Formula:	C ₂₀ H ₁₈ O ₅
Molecular Weight:	338.4
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Standard reference
Targets(IC ₅₀)	Others: None
In vitro	METHODS AND RESULTS: Two new compounds, crotmadine (1) and crotmarine (3); a known pyrrolizidine alkaloid, fulvine (8), and three other known compounds, trans-3,4,3',5'-tetra methoxystilbene (5), Dihydroalpinumisoflavone (6), and 4',5,7-trihydroxy-3-methoxyflavone (7), have been isolated from the leaves and stems of <i>Crotalaria madurensis</i> . CONCLUSIONS: Both crotmadine (1) and crotmarine (3) exhibit antifungal activity against <i>Trichophyton mentagrophytes</i> .

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	2.955 mL	14.775 mL	29.551 mL
5 mM	0.591 mL	2.955 mL	5.910 mL
10 mM	0.296 mL	1.478 mL	2.955 mL
50 mM	0.059 mL	0.296 mL	0.591 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. Chemical constituents of *Crotalaria madurensis*. J Nat Prod. 1984 Jul-Aug;47(4):585-91.

Inhibitors · Natural Compounds · Compound Libraries

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