

Putraflavone

Chemical Properties

CAS No.:	23624-21-7
Formula:	C ₃₂ H ₂₂ O ₁₀
Molecular Weight:	566.5
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Putraflavone possesses a good antioxidant activity via its DPPH free radical scavenging.
Targets(IC ₅₀)	BACE: None Beta Amyloid: None
In vitro	METHODS AND RESULTS: Two new taraxerane triterpenes, 2,3-seco-taraxer-14-ene-2,3,28-trioic acid 2,3-dimethyl ester (1) and 2,3-seco-taraxer-14-ene-2,3,28-trioic acid 3-methyl ester (2), along with two known triterpenes, hopenol B and aleuritolic acid, and five known flavonoids, Putraflavone, kaempferol, sequoiaflavone, amentoflavone, and ginkgetin, were isolated from the leaves of <i>Elateriospermum tapos</i> . The stem extract yielded a new cleistanthane diterpene, 2,3-seco-sonderianol (3), three known triterpenes, lupeol, lupeol acetate, and 3-acetylaleuritolic acid, and three known diterpenes, yucalexin B-22, yucalexin P-15, and yucalexin P-17. The structures of these compounds were established on the basis of their spectroscopic data. CONCLUSIONS: Compound 1 was cytotoxic against NCI-H187 and BC cell lines and also showed in vitro antimycobacterial activity against <i>Mycobacterium tuberculosis</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	1.765 mL	8.826 mL	17.652 mL
5 mM	0.353 mL	1.765 mL	3.530 mL
10 mM	0.177 mL	0.883 mL	1.765 mL
50 mM	0.035 mL	0.177 mL	0.353 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. Seco-terpenoids and other constituents from *Elateriospermum tapos*. J Nat Prod. 2008 Feb;71(2):292-4.

Inhibitors · Natural Compounds · Compound Libraries

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