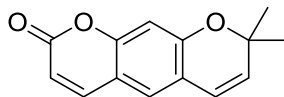


Xanthyletin

Code No.: **BIA-X1769**

Pack sizes: **1 mg, 5 mg**



Synonyms : 2,2-Dimethylchromenocoumarin

Specifications

CAS #	: 553-19-5
Molecular Formula	: C ₁₄ H ₁₂ O ₃
Molecular Weight	: 228.3
Source	: <i>Flindersia pimenteliana</i>
Appearance	: Cream solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Xanthyletin, a dimethylpyranocoumarin structurally related to psoralen, is the active principal of *Luvanga scandens* widely used in Hindu medicine. Xanthyletin was isolated from the New Guinea tree, *Flindersia pimenteliana*, by Taylor and Ritchie, University of Sydney, Australia in 1975. Xanthyletin is an inhibitor of platelet aggregation induced by arachidonic acid and collagen, and is active against L-1210 cell line in vitro.

References

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4. Antiplatelet actions of some coumarin compounds isolated from plant sources. Teng C.M. et al., Thromb. Res. 1992, 66, 549.
5. Synthesis and cytotoxic activity of pyranocoumarins of the seselin and xanthyletin series. Magiatis P. et al., J. Nat. Prod. 1998, 61, 982.