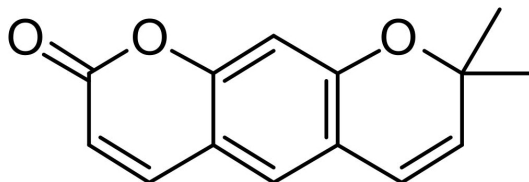


## Xanthyletin

Code No.: BIA-X1769

Pack sizes.: 1mg, 5mg



### Synonyms:

2,2-Dimethylchromenocoumarin

## Specifications

CAS #	: <b>553-19-5</b>
Molecular Formula	: <b>C14H12O3</b>
Molecular Weight	: <b>228.25</b>
Source	: -
Appearance	: <b>Cream solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO.</b>

## 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

1. The chemical constituents of Australian *Flindersia* species. XX An examination of *F. pimenteliana*. Bowden B.F., et al. *Aust. J. Chem.* 1975, 28, 1393.
2. Structure and biological activity of xanthyletin a new phytoalexin of citrus. Khan A.J. et al., *Fruits* 1985, 40, 807.
3. Antiplatelet actions of some coumarin compounds isolated from plant sources. Teng C.M. et al., *Thromb. Res.* 1992, 66, 549.
4. Synthesis and cytotoxic activity of pyranocoumarins of the seselin and xanthyletin series. Magiatis P. et al., *J. Nat. Prod.* 1998, 61, 982.