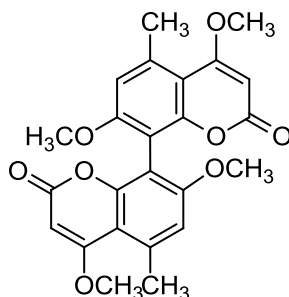


Kotanin

Code No.: **BIA-K1634**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms :

Specifications

CAS #	: 27909-08-6
Molecular Formula	: C ₂₄ H ₂₂ O ₈
Molecular Weight	: 438.4
Source	: <i>Aspergillus sp.</i>
Appearance	: Beige solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Kotanin A is a bis-coumarin first isolated from *Aspergillus glaucus* by Buchi and co-workers at Massachusetts Institute of Technology when identifying the toxic principles from mould-infested rice in Thailand in 1971. Kotanin A analogues were found to be non-toxic to mammals and the toxic principles were later identified as aflatoxins. Kotanin A is a symmetric bis-coumarin with S axis chirality. Kotanin A, with its characteristic UV spectrum, is a useful chemotaxonomic marker for the *Aspergillus* genus.

References

1. Structure and synthesis of kotanin and desmethylkotanin. Metabolites of *Aspergillus glaucus*. Buchi G. et al., J. Org. Chem. 1971, 36, 1143.
2. Orlandin: a nontoxic fungal metabolite with plant growth inhibiting properties. Culter H.G. et al., J. Agric. Food Chem. 1979, 27, 592.