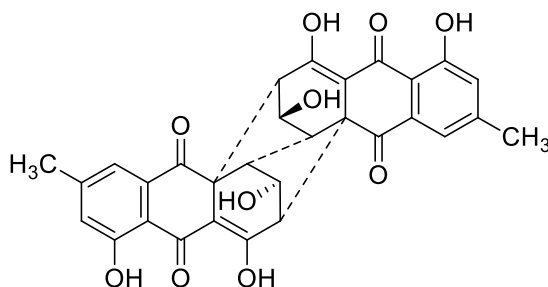


(+)-Rugulosin

Code No.: **BIA-R1201**

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



Synonyms : Radicalisin

Specifications

CAS #	: 23537-16-8
Molecular Formula	: C ₃₀ H ₂₂ O ₁₀
Molecular Weight	: 542.5
Source	: <i>Penicillium sp.</i>
Appearance	: Yellow brown solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

(+)-Rugulosin is an intense yellow pigment produced by some species of *Penicillium*, *Aspergillus* and the fungal symbionts of some lichens. (+)-Rugulosin shows antibacterial and insecticidal activity and has found application as a bioinsecticide, notably as the active secondary metabolite in endophytic fungi of seedlings.

References

1. Rugulosin, a crystalline colouring matter of *Penicillium rugulosum* Thom. Breen J. et al., *Biochem. J.* 1955, 60, 618.
2. Effect of a rugulosin-producing endophyte in *Picea glauca* on *Choristoneura fumiferana*. Miller J.D. et al., *J. Chem. Ecol.* 2008, 34, 362.
3. Cytotoxicity against insect cells of entomopathogenic fungi of the genera *Hypocrella* (anamorph *Aschersonia*): possible agents for biological control. Watts P. et al., *Mycological Research* 2003, 107, 581.