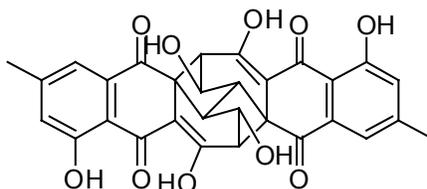


Rugulosin (+ form)

Code: **BIA-R1201**

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



Synonyms : **Radicalisin**

Specifications

CAS # : **23537-16-8**
Molecular Formula : **C₃₀H₂₂O₁₀**
Molecular Weight : **542.5**
Source : ***Penicillium* sp. MST-FP2038**
Appearance : **Yellow brown solid**
Purity : **> 98%**
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 fungal 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.