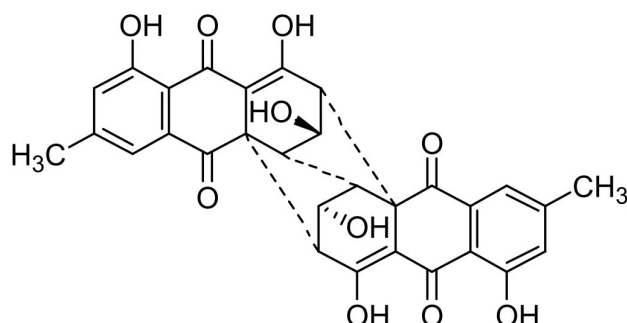


Rugulosin - form

Code No.: BIA-R1452

Pack sizes.: 1mg, 5mg



Synonyms:
Radicalisin

Specifications

CAS #	: 21884-45-7
Molecular Formula	: C30H22O10
Molecular Weight	: 542.5
Source	: -
Appearance	: Yellow brown solid
Purity	: >98% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

(-)-Rugulosin is the less common optical isomer of the mycotoxin, (+)-rugulosin, which was first isolated from *Myrothecium verrucaria* in 1968. The isomers appear not to be co-produced but both occur widely in several fungal genera. (-)-Rugulosin has been shown to be antiviral. (-)Rugulosin is the less studied of the isomers and its role as a mycotoxin is implied rather than established. There are few comparative studies of the relative potency of the isomers.

References

1. Fungal metabolites. XXXII. Renewed investigation on (-)-flavoskyrin and its analogs Takeda N. et al., Tetrahedron 1973, 29, 3703.
2. Further studies on the structures of luteoskyrin, rubroskyrin and rugulosin. Sankawa U. et al., Tet. Lett. 1968, 53, 5557.
3. Inhibition of phage growth by an antibiotic rugulosin isolated from *Myrothecium verucaria*. I. Properties of the anti-phage effect. Nakamura S. et al., Jpn. J. Microbiol. 1971, 5, 113.