

**Product Name:** (+)-Rugulosin

**Product Number:** R037

**CAS Number:** 23537-16-8

**Molecular Formula:**  $C_{30}H_{22}O_{10}$

**Molecular Weight:** 542.49

**Appearance:** Yellow-brown solid

**Storage Conditions:** -20°C

**Description:** (+)-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.

(+)-Rugulosin is soluble in ethanol, methanol, DMF and DMSO.

**References:** Rugulosin, a crystalline colouring matter of *Penicillium rugulosum* Thom. Breen J. et al. , *Biochem. J.* 1955, 60, 618.

Effect of a rugulosin-producing endophyte in *Picea glauca* on *Choristoneura fumiferana*. Miller J.D. et al. , *J. Chem. Ecol.* 2008, 34, 362.

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.