

Product Name:	Rugulosin - form
Product Number:	R036
CAS Number:	21884-45-7
Molecular Formula:	$C_{30}H_{22}O_{10}$
Molecular Weight:	542.5
Appearance:	Yellow brown solid
Storage Conditions:	-20°C
Description:	<p>(-)-Rugulosin is the less common optical isomer of the mycotoxin, (+)-rugulosin, which was first isolated from <i>Myrothecium verrucaria</i> 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.</p> <p>(-)-Rugulosin is soluble in ethanol, methanol, DMF and DMSO.</p>
References:	<p>Fungal metabolites. XXXII. Renewed investigation on (-)-flavoskyrin and its analogs Takeda N. et al. Tetrahedron 1973, 29, 3703.</p> <p>Further studies on the structures of luteoskyrin, rubroskyrin and rugulosin. Sankawa U. et al. Tet. Lett. 1968, 53, 5557.</p> <p>Inhibition of phage growth by an antibiotic rugulosin isolated from <i>Myrothecium verucaria</i>. I. Properties of the anti-phage effect. Nakamura S. et al. Jpn. J. Microbiol. 1971, 5, 113.</p> <p>Rugulosin, a crystalline colouring matter of <i>Penicillium rugulosum</i> Thom. Breen J. et al. , Biochem. J. 1955, 60, 618. 2. Effect of a rugulosin-producing endophyte in <i>Picea glauca</i> on <i>Choristoneura fumiferana</i>. Miller J.D. et al. , J. Chem. Ecol. 2008, 34, 362. 3. Cytotoxicity against insect cells of entomopathogenic fungi of the genera <i>Hypocrella</i> (anamorph <i>Aschersonia</i>): possible agents for biological control. Watts P. et al. , Mycological Research 2003, 107, 581.</p>