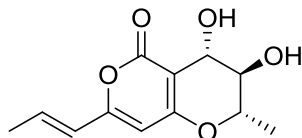


Radicinol

Code No.: **BIA-R1896**

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



Synonyms :

Specifications

CAS #	: 65647-66-7
Molecular Formula	: C₁₂H₁₄O₅
Molecular Weight	: 238.2
Source	: <i>Curvularia lunata</i>
Appearance	: Orange oil
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Radicinol is a mycotoxin isolated from *Curvularia lunata* (syn. *Cochliobolus lunata*) by researchers at Nagoya University, Japan in 1977. Subsequently, radicinol has been found as a secondary metabolite in a diverse range of plant pathogenic fungi. Radicinol is herbicidal and is the likely phytotoxic component in the pathogenicity of the fungus. Radicinol induces apoptosis via modulation of p53 and BCL-2, increasing caspase-3 expression in cancer cells.

References

1. Radicinol, a new metabolite of *Cochliobolus lunata*, and absolute stereochemistry of radicinol. Nukina N. & Marumo S., *Tetrahedron Letters* 1977, 37, 3271.
2. Toxicogenic profile of *Alternaria alternata* and *Alternaria radicina* occurring on umbelliferous plants. Solfrizzo M. et al., *Food Addit. Contam.* 2005, 4, 302.
3. Antiproliferative activity of hamigerone and radicinol isolated from *Bipolaris papendorffii*. Giridharan P. et al., *BioMed. Res. Int.* 2014, 890904/1.