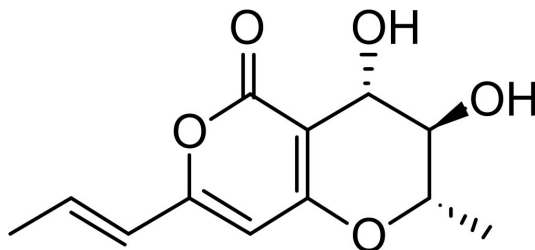


## Radycinol

Code No.: BIA-R1896

Pack sizes.: 1mg, 5mg



Synonyms:

-

## Specifications

CAS #	: <b>65647-66-7</b>
Molecular Formula	: <b>C<sub>12</sub>H<sub>14</sub>O<sub>5</sub></b>
Molecular Weight	: <b>238.24</b>
Source	: -
Appearance	: <b>Orange oil</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO.</b>

## Application Notes

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

## References

1. Radycinol, a new metabolite of *Cochliobolus lunata*, and absolute stereochemistry of radycinin. Nukina N. & Marumo S., *Tetrahedron Letters* 1977, 37, 3271.
2. Toxigenic 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 radycinol isolated from *Bipolaris papendorffii*. Giridharan P. et al., *BioMed. Res. Int.* 2014, 890904/1.