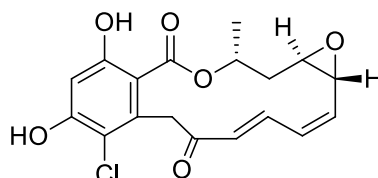


Radicalol

Code No.: **BIA-R1148**

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



Synonyms : Monorden

Specifications

CAS #	: 12772-57-5
Molecular Formula	: C ₁₈ H ₁₇ ClO ₆
Molecular Weight	: 364.8
Source	: Unidentified fungus
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

Radicalol is a resorcylic acid lactone, produced by several fungal species, that exhibits broad spectrum antifungal and antitumor activity. Radicalol has been the subject of extensive investigation and inhibits protein tyrosine kinase, induces the differentiation of HL-60 cells into macrophages, blocks cell cycle at G1 and G2, suppresses NIH 3T3 cell transformation by diverse oncogenes such as src, ras and mos, and also suppresses the expression of mitogen-inducible cyclooxygenase-2. As a cell differentiation modulator, radicalol has anti-angiogenic activity in vivo, inhibiting the proliferation of plasminogen activator production by vascular endothelial cells.

References

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3. Radicalol inhibits tyrosine phosphorylation of the mitotic Src substrate Sam68 and retards subsequent exit from mitosis of Src-transformed cells. Pillay, I., et al., Cell. Growth Differ. 1996, 7, 1487.
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