Radicicol

Product Data Sheet

Code No.: BIA-R1148
Pack sizes: 1 mg, 5 mg

Synonyms: Monorden

Specifications
CAS #: 12772-57-5
Molecular Formula: C_{18}H_{17}ClO_{7}
Molecular Weight: 364.8
Source: Unidentified fungus
Appearance: White solid
Purity: >99% by HPLC
Long Term Storage: -20°C
Solubility: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes
Radicicol is a resorcylic acid lactone, produced by several fungal species, that exhibits broad spectrum antifungal and antitumour activity. Radicicol 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, radicicol has anti-angiogenic activity in vivo, inhibiting the proliferation of plasminogen activator production by vascular endothelial cells.

References