



## Product Information

**Product ID** R0212

**CAS No.** 12772-57-5

**Chemical Name** 8-Chloro-1a,14,15,15a-tetrahydro-9,11-dihydroxy-14-methyl-6H-oxireno[e][2]benzoxacyclotetradecin-6,12(7H)-dione

**Synonym** Monorden, Monorderne

**Formula** C<sub>18</sub>H<sub>17</sub>ClO<sub>6</sub>

**Formula Wt.** 364.78

**Melting Point** 193.5 °C

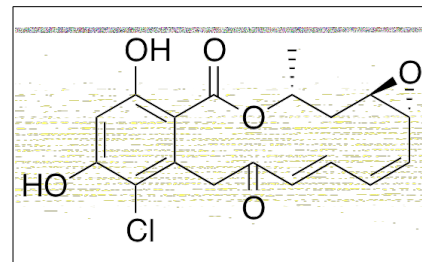
**Purity** ≥96%

**Solubility** Soluble in DMSO, methanol or ethanol.

**Store Temp** -20 °C

**Ship Temp** Ambient

**Description** Radicicol is an analog of benzoquinone ansamycin that inhibits HSP90, Src family kinases, and Raf. Radicicol exhibits neuroprotective, antibiotic, antifungal, anti-parasitic, and antimalarial activities. In *Plasmodium*, radicicol targets topoisomerase VI-B, inhibiting mitochondrial replication. Radicicol also increases survival and neurite outgrowth of neurons in chick embryos.



**Bulk quantities available upon request**

Product ID	Size
R0212	1 mg
R0212	5 mg

**References** Chalapareddy S, Bhattacharyya MK, Mishra S, et al. Radicicol Confers Mid-Schizont Arrest by Inhibiting Mitochondrial Replication in *Plasmodium falciparum*. *Antimicrob Agents Chemother.* 2014 Aug;58(8):4341-4352. PMID: 24841259.

Gadelle D, Bocs C, Graille M, et al. Inhibition of archaeal growth and DNA topoisomerase VI activities by the Hsp90 inhibitor radicicol. *Nucleic Acids Res.* 2005 Apr 22;33(7):2310-7. PMID: 15849317.

Sano M, Yoshida M, Fukui S, et al. Radicicol potentiates neurotrophin-mediated neurite outgrowth and survival of cultured sensory neurons from chick embryo. *J Neurochem.* 1999 Jun;72(6):2256-63. PMID: 10349833.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.