

Datasheet for ABIN1027739

Radicicol[1 Image](#)[1 Publication](#)[Go to Product page](#)

Overview

Quantity: 1 mg

Application: Inhibition (Inh)

Product Details

Purpose: Hsp90 inhibitor

Characteristics: Hsp90 inhibitor.

Purification: Produced by fermentation

Purity: 97 % by TLC

Formula: C₁₈H₁₇ClO₆

Solubility: Soluble in DMSO

Target Details

Background: Radicicol inhibits src (IC₅₀=0.27μM) and src-like kinases, leading to hypophosphorylation of retinoblastoma tumor suppressor protein. It causes morphological reversion of ras-transformed cells and leads to selective depletion of Raf kinase. It also displays anti-angiogenic activity, and binds to and inhibits Hsp 90 molecular chaperone. It binds more strongly to Hsp90 than to GRP94. It also binds to yeast HSP90, E. coli HtpG and TRAP-1.

Molecular Weight: 364.8

CAS-No: 12772-57-5

Application Details

Comment: Source: Produced by fermentation.
Appearance: White to Yellow Solid

Restrictions: For Research Use only

Handling

Format: Solid

Precaution of Use: Classification: Caution: Substance not yet fully tested. Safety Phrases: S22 - Do not breathe dust S24/25 - Avoid contact with skin and eyes S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

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Storage: -20 °C

Publications

Product cited in: Boufaied, Wioland, Falardeau, Gourdeau: "TLN-4601, a novel anticancer agent, inhibits Ras signaling post Ras prenylation and before MEK activation." in: **Anti-cancer drugs**, Vol. 21, Issue 5, pp. 543-52, (2010) ([PubMed](#)).

Images

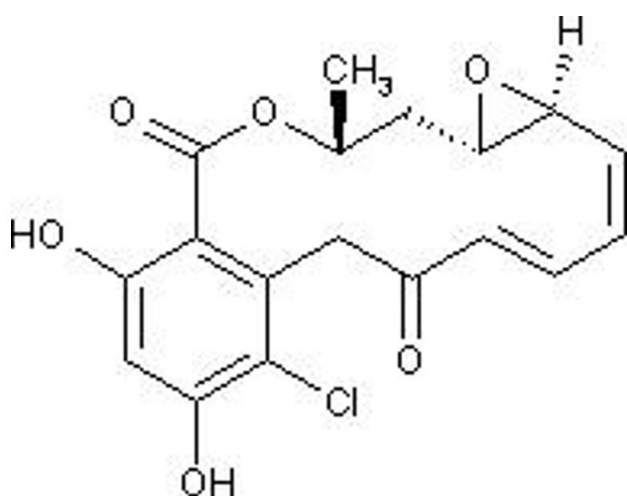


Image 1.