

Radicicol, HSP90 inhibitor

Catalog	Unit
TBI2102 - 1MG	1 mg
TBI2102 - 5MG	5 mg

Product Details

Formal Name: (1aR,2Z,4E,14R,15aR)-8-Chloro-1a,14,15,15a-tetrahydro-9,11-dihydroxy-14-methyl-6H-oxireno[e][2]benzoxacyclotetradecin-6,12(7H)-dione

Alternate Names: Monorden

Molecular Formula: C₁₈H₁₇ClO₆

Formula Weight: 364.78

CAS Number: 12772-57-5

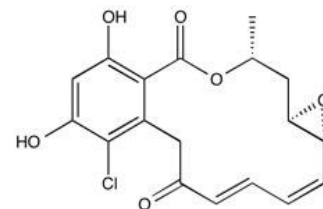
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 20 mg/ml) or in Ethanol (up to 8 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

HSP90 inhibitor

Functions

Radicicol (12772-57-5) inhibits heat shock protein 90 (HSP90) activity by binding to the ATP-binding pocket. In cells HSP90 client proteins such as Raf kinase, HIF-1 α and estrogen receptor are destabilized and proteolytically degraded. Radicicol inhibits expression of COX-2 without affecting COX-1 expression in LPS-stimulated macrophages (IC₅₀ = 27 nM). Inhibits angiogenesis.

Application Procedures

First dissolved in DMSO (up to 20 mg/ml) or in Ethanol (up to 8 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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