

Catalog	Unit
TBI3564 - 1MG	1 mg
TBI3564 - 5MG	5 mg

Product Details

Formal Name: (1R,3R,8R,12S,13R,18E,20Z,24R,25S,26S)-12-hydroxy-5,13,25-trimethylspiro[2,10,16,23-tetraoxatetracyclo[22.2.1.03,8.08,25]heptacos-4,18,20-triene-26,2'-oxirane]-11,17,22-trione

Alternate Names: Muconomyacin-A; 379-Y; Glutinosin-I; Myrothecin-I; NSC-126728

Molecular Formula: C₂₇H₃₄O₉

Formula Weight: 502.56

CAS Number: 3148-09-2

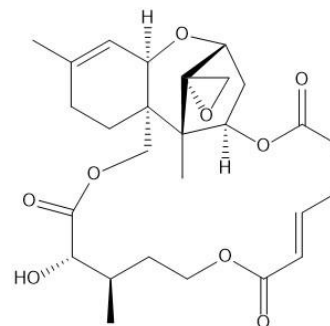
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (25 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Steroid receptor coactivator-3 inhibitor

Functions

Verrucarin A is a macrocyclic trichothecene mycotoxin from *Myrothecium* sp. It is a potent and selective inhibitor of the steroid receptor coactivator-3 and selectively down-regulates its expression. It is cytotoxic to multiple types of cancer cells at low nM concentrations (IC₅₀ = 4.9 nM for HepG2 cells) but not toward normal liver cells. It enhances TNF α -induced and TRAIL-induced apoptosis. It reduces phosphorylation of IRE α and inhibits tunicamycin-induced ER stress in FaO rat liver cells.

Application Procedures

First dissolved in DMSO (25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

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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