

Catalog	Unit
TBI2076 - 1MG	1 mg
TBI2076 - 5MG	5 mg

Product Details

Formal Name: (3R,5aS,6S,10aR)-2,3,5a,6-Tetrahydro-6-hydroxy-3-(hydroxymethyl)-2-methyl-10H-3,10a-epidithiopyrazino [1,2-a]indole-1,4-dione

Alternate Names: Aspergillin

Molecular Formula: C₁₃H₁₄N₂O₄S₂

Formula Weight: 326.39

CAS Number: 67-99-2

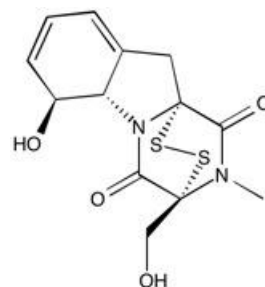
Purity: 98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 15 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Immunomodulator

Functions

Gliotoxin (67-99-2) is a fungal metabolite with immunosuppressive properties; blocks phagocytosis, cytokine production and proliferation of T and B cells. Inhibits chymotrypsin-like activity of 20S proteasome preventing IκBα degradation and preventing NF-κB degradation. Displays antiinflammatory activity and blocks leukotriene B4 production via inhibition of LTA4 hydrolase. It inhibits nuclear NOTCH2 and recovers a tumor-suppressor NOTCH3 activity in chronic lymphocytic leukemia cells.

Application Procedures

First dissolved in DMSO (up to 15 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

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