

Catalog	Unit
TBI3081 - 1MG	1 mg
TBI3081 - 5MG	5 mg

Product Details

Formal Name: (7S,13E, 16S, 17E, 19R, 21E)-6,7-Epoxy-19-hydroxy-10-(1H-indol-3-yl)-16,18-dimethyl-[13]cytochalasa-13,17,21-triene-1,20,23-trione

Molecular Formula: C₃₂H₃₆N₂O₅

Formula Weight: 528.64

CAS Number: 50335-03-0

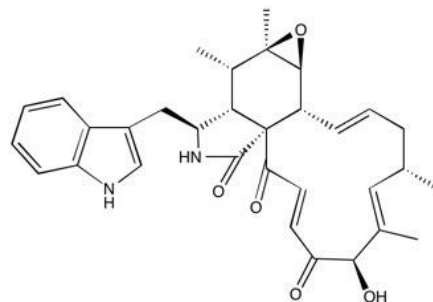
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 5 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Actin binding agent

Apoptosis inducer

Functions

Chaetoglobosin A (50335-03-0) is a cytochalasin analog which targets filamentous actin. Displays cytotoxic effects against human colorectal HCT116 cells, IC₅₀ = 3.15 μM. Preferentially induces apoptosis in chronic lymphocytic leukemia cells via targeting the cytoskeleton. Enhances the fibrinolytic activity of vascular endothelial cells.

Application Procedures

First dissolved in DMSO (up to 5 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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