

Catalog	Unit
TBI2071 - 1MG	1 mg
TBI2071 - 5MG	5 mg

Product Details

Formal Name: (7S,13E,16S,18R,19E,21R)-21-(Acetyloxy)-7,18-dihydroxy-16,18-dimethyl-10-phenyl[11]cytochalasa-6(12),13,19-triene-1,17-dione.

Alternate Name: Aloxistatin; Loxistatin.

Molecular Formula: C₃₀H₃₇NO₆.

Formula Weight: 507.63.

CAS Number: 22144-77-0

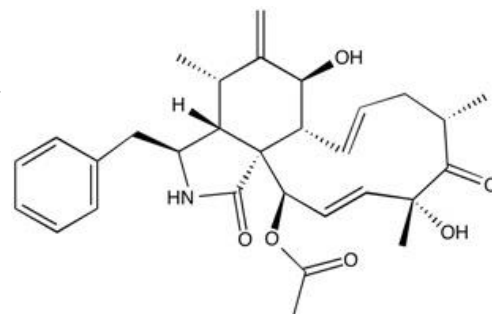
Purity: ≥98%

Formulation: Lyophilized Powder.

Solubility: Soluble in DMSO (up to 20 mg/ml) or in Ethanol (up to 5 mg/ml).

Storage: -20°C.

Stability: ≥ 2 years.



Applications

Disrupts actin filaments.

Functions

Potent inhibitor of actin polymerization which also causes the disruption of actin filaments. More potent than cytochalasin B (10-fold) and does not inhibit monosaccharide transport across cell membranes. Disruption of actin microfilaments leads to activation of p53. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 20 mg/ml) or in Ethanol (up to 5 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

TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2614	ZVAD-FMK, Pan-caspase inhibitor
TBI2069	Cytochalasin B
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI1029	Dorsomorphin, AMPK inhibitor
TBI1368	Pepstatin, Aspartic protease inhibitor
TBI1060	Imatinib, Bromodomain inhibitor
TBI1584	JQ1+, Bromodomain inhibitor
TBI2284	Calcimycin, Ca ²⁺ Ionophore

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