

Latrunculin B, Actin polymerization inhibitor

Catalog	Unit
TBI4303-100UG	100 ug
TBI4303-1MG	1 mg

Product Details

Formal Name: Marine natural product isolated from Latrunculia sp.

Molecular Formula: C₂₀H₂₉NO₅S

Formula Weight: 395.50

CAS Number: 76343-94-7

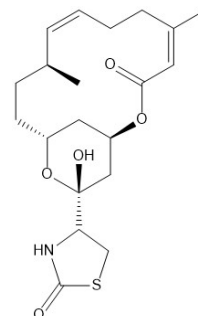
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

Actin polymerization inhibitor

Functions

Reversibly inhibits actin polymerization, microfilament organization and microfilament-mediated processes. Significantly more potent than cytochalasins in disruption of microfilament-mediated processes. Active in cell culture. Effective doses for latrunculin B vary depending on cell type but are frequently in the low μM range. Latrunculin B is slowly inactivated by fetal bovine serum.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.