

Lactacystin, Proteasome inhibitor

Catalog	Unit
TBI1314-200UG	200 ug
TBI1314-1MG	1 mg

Product Details

Formal Name: Fermentation product from *Streptomyces lactacystinaeus*

Molecular Formula: C₁₅H₂₄N₂O₇

Formula Weight: 376.37

CAS Number: 133343-34-7

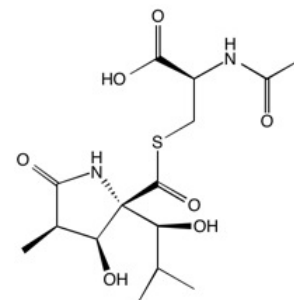
Purity: >98%

Formulation: Lyophilized

Solubility: Soluble in DMSO (up to 20 mg/ml), in Water (up to 10 mg/ml), or in Ethanol (up to 1 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

Proteasome inhibitor

Functions

Specific inhibitor of three proteolytic activities of the proteasome. Chymotrypsin-like activity is inhibited most potently followed by trypsin-like activity. Inhibition of the peptidyl-glutamyl peptide hydrolytic activity is relatively weak.

Application Procedures

First dissolved in DMSO (up to 20 mg/ml), in Water (up to 10 mg/ml), or in Ethanol (up to 1 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

For research use only.