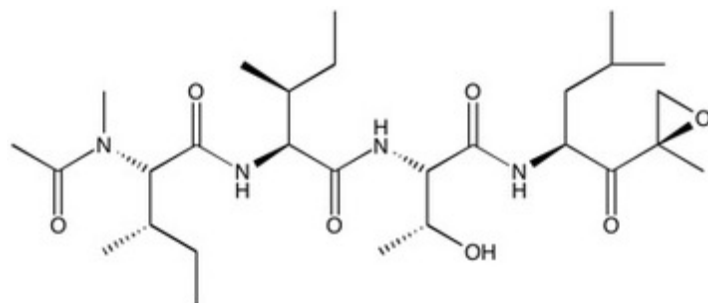


Epoxomicin, Irreversible 20S proteasome inhibitor

Catalog	Unit
TBI1384-100UG	100 ug

Product Details

Molecular Formula: C₂₈H₅₀N₄O₇
Formula Weight: 554.73
CAS Number: 134381-21-8
Purity: >98%
Formulation: Lyophilized
Solubility: Soluble in DMSO (up to 10 mg/ml).
Storage: -20°C
Stability: ≥ 2 years.



Applications

Irreversible 20S proteasome inhibitor

Functions

Epoxomicin is a potent, selective and cell permeable irreversible inhibitor of the 20S proteasome. It does not inhibit non-proteasomal proteases such as papain, chymotrypsin, trypsin, calpain and cathepsin B at concentrations up to 50 μM. Epoxomicin was isolated from Actinomycete strain Q996-17 and displayed in vivo antitumor activity against B16 melanoma cells. Epoxomicin caused a progressive model of Parkinson's disease in various systems. This model has been disputed.

Application Procedures

First dissolved in DMSO (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.