

Lot # XXXXX

BostonBiochem

MATERIAL DATA SHEET

Epoxomicin, *synthetic* Cat. # I-110

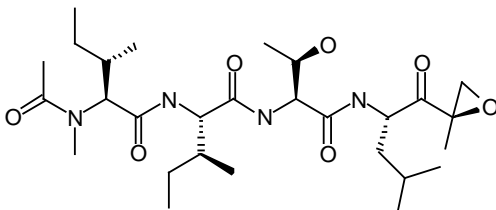
Cell-permeable, potent, selective and irreversible proteasome inhibitor initially isolated as natural product from an *Actinomycetes* strain. Predominantly inhibits the chymotrypsin-like activity of the proteasome.

Product Information

Quantity: 200 µg | 1 mg

Formula: C₂₈H₅₀N₄O₇ **FW:** 554.7

Structure:



Physical/Chemical Characteristics

Solubility: Soluble and stable in DMSO up to 15 mg/ml.

Purity: > 98% by HPLC. Structure confirmed by ¹H-NMR.

Storage: Store at -20°C. Avoid multiple freeze/thaw cycles.

Activity: $k_{obs}/[I] = 25,000 \text{ M}^{-1} \text{ s}^{-1}$ versus 20S proteasome.

Literature

References: Kim K.B., *et al.* (1999) *Bioorgan. Med. Chem. Lett.* **9**: 3335
Sin N., *et al.* (1999) *Bioorgan. Med. Chem. Lett.* **9**: 2283

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Rev: 10/28/2014

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