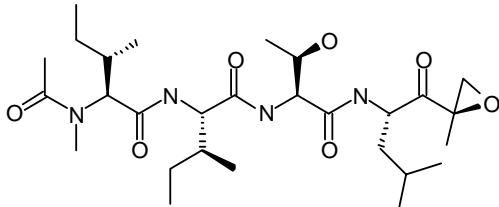


## MATERIAL DATA SHEET

**Epoxomicin, synthetic****Cat. # I-112**

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

## Product Information

**Quantity:** 1 mg**Formula:** C<sub>28</sub>H<sub>50</sub>N<sub>4</sub>O<sub>7</sub>**FW:** 554.7**Structure:**

## Physical/Chemical Characteristics

**Solubility:** Soluble and stable in DMSO up to 15 mg/ml.**Purity:** > 95% by HPLC. Structure confirmed by <sup>1</sup>H-NMR.**Storage:** Store at -20°C. Avoid multiple freeze/thaw cycles.**Activity:** k<sub>obs</sub>/[I] = 25,000 M<sup>-1</sup> s<sup>-1</sup> versus 20S proteasome.

## Literature

**References:** Kim K.B., *et al.* (1999) Bioorgan. Med. Chem. Lett. **9**:3335-3340  
Sin N., *et al.* (1999) Bioorgan. Med. Chem. Lett. **9**:2283-2288***For Laboratory Research Use Only, Not For Use in Humans***