Hello Bio, Inc. 304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500 F. 609-228-4994

customercare-usa@m2stage.hellobio.com



DATASHEET

Epoxomicin

Product overview

Name Epoxomicin Cat No HB3890 **Purity** >97%

Description Potent, selective and irreversible 20S proteasome inhibitor

Biological Data

Biological description

Antibiotic. Potent anticancer compound. Cell permeable, potent, selective and irreversible 20S proteasome inhibitor. Predominantly inhibits the chymotrypsin-like (CTRL) activity of the proteasome. Exhibits lower level inhibition of proteasome trypsin-like and caspase-like activitives (100 and 1,000-fold slower rates respectively). Anti-inflammatory. Antimicrobial and antimalarial. Anti-parasitic. Stimulates bone formation by inhibiting osteoblast proteasome activity. Induces Parkinson's-like symptoms in rats. The ubiquitin-proteasome system (UPS) and autophagy serve as two complementary, reciprocally regulated protein degradation systems. Blockade of UPS by Epoxomicin activates autophagy.

Solubility & Handling

Storage instructions

Important

+4°C

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Molecular Weight **Chemical structure**

CAS Number PubChem identifier

SMILES

134381-21-8

=O)N[C@@H](CC(C)C)C(=O)NCC(=O)[C@@]1(C)CO1

DOGIDQKFVLKMLQ-JTHVHQAWSA-N

InChiKey White to off-white solid **Appearance**