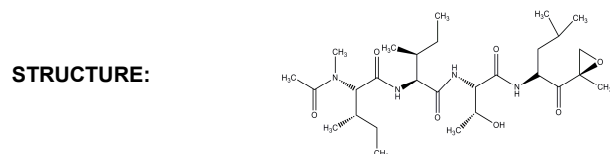


**PRODUCT: Epoxomicin**

**ALTERNATE NAME:** N-acetyl-N-methyl-L-isoleucyl-L-isoleucyl-N-[(1S)-3-methyl- 1-[[[(2R)-2-methyloxiranyl]carbonyl]butyl]-L-threoninamide; BU-4061T

**CATALOG #:** 2190-50, 250

**AMOUNT:** 50 µg, 250 µg



**MOLECULAR FORMULA:** C<sub>28</sub>H<sub>50</sub>N<sub>4</sub>O<sub>7</sub>

**MOLECULAR WEIGHT:** 554.7

**CAS NUMBER:** 134381-21-8

**APPEARANCE:** White solid

**SOLUBILITY:** DMSO (~ 10 mg/ml)

**PURITY:** ≥95%

**STORAGE:** Store at -20 °C. Protect from air and moisture

**DESCRIPTION:** Originally isolated from *Actinomycetes* strain based on its potent *in vivo* antitumor activity, Epoxomicin is a potent, cell-permeable, selective and irreversible proteasome inhibitor. More potent inhibitor of the chymotrypsin-like activity of the proteasome than Lactacystin (Cat. No. 1709-100). Blocks also trypsin-like and PGPH activities of the proteasome.

**REFERENCE:** Butler, L.M., *et al.* (2001). *Clin. Cancer Res.* 7, 962-970.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

- Aclacinomycin A (Cat. No. 2032-5, 25)
- Calpain Inhibitor I, ALLN (Cat. No. 1834-5, 25)
- Calpain Inhibitor II, ALLM (Cat. No. 1834-5, 25)
- Clasto*-Lactacystin β-Lactone (Cat. No. 1710-100)
- E6AP Antibody (Cat. No. 3744-100)
- (-)-Epigallocatechin gallate (Cat. No. 1841-50)
- Fenbendazole (Cat. No. 2157-100, 500)
- Isopeptidase T (short form), human recombinant (Cat. No. 4861-25)
- Isopeptidase T (long form), human recombinant (Cat. No. 4862-25)
- Lactacystin (Cat. No. 1709-200)
- MG-115 (Cat. No. 1831-1, 5)
- EZSolution™ MG-115 (Cat. No. 2144-1)
- MG-132 (Cat. No. 1703-5, 25)
- PS-341 (Cat. No. 1846-1,5)
- EZSolution™ MG-132 (Cat. No. 1791-5)
- LDN-57444 (Cat. No. 2016-5, 25)
- MDBN (Cat. No. 2033-5, 25)
- NEDD8-AMC (Cat. No. 4843-25)
- NSC-687852 (Cat. No. 2021-5, 25)
- Proteasome Activity Assay Kit (Cat. No. K245-100)
- Proteasome Substrate, Fluorogenic (Cat. No. 1832-1, 5)
- PYR-41 (Cat. No. 1925-5, 25)
- PS-341 (Cat. No. 1846-1, 5)
- EZSolution™ PS-341 (Cat. No. 2145-1)
- Suc-Leu-Leu-Val-Tyr-AMC (Cat. No. 1833-5)
- (±)- Thalidomide (Cat. No. 2020-10, 50)
- UbcH1, human recombinant (GST-tag) (Cat. No. 4846-100)
- UbcH2, human recombinant (His-tag) (Cat. No. 4848-100)
- UbcH3, human recombinant (His-tag) (Cat. No. 4849-100)
- UbcH5a, human recombinant (His-tag) (Cat. No. 4851-100)
- UbcH5b, human recombinant (His-tag) (Cat. No. 4852-100)
- UbcH5c, human recombinant (His-tag) (Cat. No. 4854-100)
- Ubiquitin Aldehyde (Cat. No. 4845-50)
- Ubiquitin, human recombinant (Cat. No. 4841-100,1000)
- Ubiquitin AMC (Cat. No. 4842-25)
- UCH-L1, human recombinant (GST-tag) (Cat. No. 4855-50)
- USP7 Antibody (Cat. No. 3737-100)
- USP-14 Inhibitor IU1 (Cat. No. 1845-5, 25)
- WP-1130 (Cat. No. 2014-5, 25)

**USAGE:** FOR RESEARCH CH USE ONLY! Not to be used in humans