

Catalog	Unit
TBI2233-10MG	10 mg
TBI2233-50MG	50 mg

### Product Details

**Formal Name:** (2Z)-7-[[[(2R)-2-Amino-2-carboxyethyl]thio]-2-[[[(1S)-2,2-dimethylcyclopropyl]-carbonyl]amino]-2-heptenoic acid, sodium salt

**Alternate Names:** MK 0791

**Molecular Formula:** C<sub>16</sub>H<sub>25</sub>N<sub>2</sub>O<sub>5</sub>S Na

**Formula Weight:** 380.43

**CAS Number:** 81129-83-1

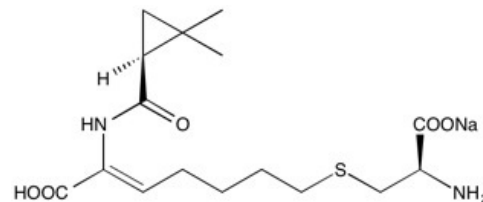
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to 3 mg/ml) or in Water (up to 35 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

Dipeptidase inhibitor; DPEP1 inhibitor

### Functions

Dehydropeptidase-1 inhibitor. Inhibits the proteolytic conversion of leukotriene D4 to E4. Inhibits the mammalian β-lactamase renal dipeptidase (dehydropeptidase-1, DPEP1) and thus is used as an antibacterial adjunct to extend the half-life of β-lactam antibiotics. Cilastatin also inhibits bacterial metallo-β-lactamase and thereby may block resistance to the carbapenem family of antibiotics in certain bacteria. Suppresses invasion and metastasis of DPEP1-expressing tumor cells.

### Application Procedures

First dissolved in DMSO (up to 3 mg/ml) or in Water (up to 35 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20°C for up to 1 month.

**For research use only.**