

Catalog	Unit
TBI1347 - 1MG	1 mg
TBI1347 - 5MG	5 mg

### Product Details

**Formal Name:** 2S,3S-trans-(Ethoxycarbonyloxirane-2-carbonyl)-L-leucine-(3-methylbutyl)amide.

**Alternate Name:** Aloxistatin; Loxistatin.

**Molecular Formula:** C<sub>17</sub>H<sub>30</sub>N<sub>2</sub>O<sub>5</sub>.

**Formula Weight:** 342.43.

**CAS Number:** 88321-09-9

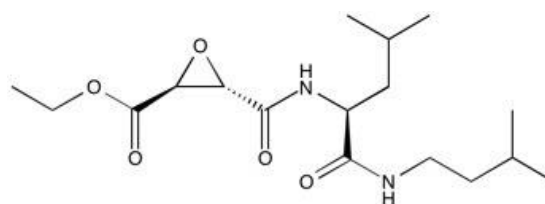
**Purity:** ≥98%

**Formulation:** Powder.

**Solubility:** Soluble in DMSO (up to 20 mg/ml) or in Ethanol (up to 10 mg/ml).

**Storage:** -20°C.

**Stability:** ≥ 2 years.



### Applications

Cysteine protease inhibitor.

### Functions

Cell-permeable derivative of E-64c, an inhibitor of calpain and other cysteine proteases, such as papain, cathepsin B and cathepsin L. Addition to cell cultures should be done in serum-free media as esterases in serum will cleave the ethyl ester and reduce cell permeability. Typical working concentration is 0.5-10 µg/ml. Inhibits degradation of autophagic cargo inside autolysosomes.

### Application Procedures

First dissolved in DMSO (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

### Relative Products

TBI1345	E64, Cysteine protease inhibitor
TBI2614	ZVAD-FMK, Pan-caspase inhibitor
TBI2069	Cytochalasin B
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI1029	Dorsomorphin, AMPK inhibitor
TBI1368	Pepstatin, Aspartic protease inhibitor
TBI1060	Imatinib, Bromodomain inhibitor
TBI1584	JQ1+, Bromodomain inhibitor
TBI2284	Calcimycin, Ca <sup>2+</sup> Ionophore

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