E-64-D

Calpain and cathepsin inhibitor

E-64-D is a cell-permeable ethyl ester of E-64-C (Prod. No. BML-PI106). The ester is hydrolyzed by intracellular esterases to produce E-64-C that inhibits calpain and cathepsins B, F, H, K, and L. E-64-D inhibits degradation of autophagic cargo inside autophagolysosomes, especially when used in combination with pepstatin (Prod. No. ALX-260-085). E-64-D combined with camostat mesylate also inhibits entry of SARS-CoV-2 in cells *in vitro*.

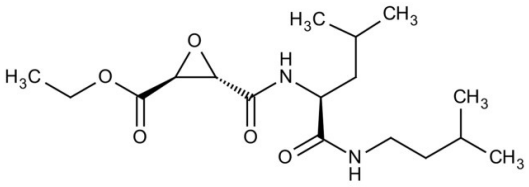
Citations: 41 View Online »

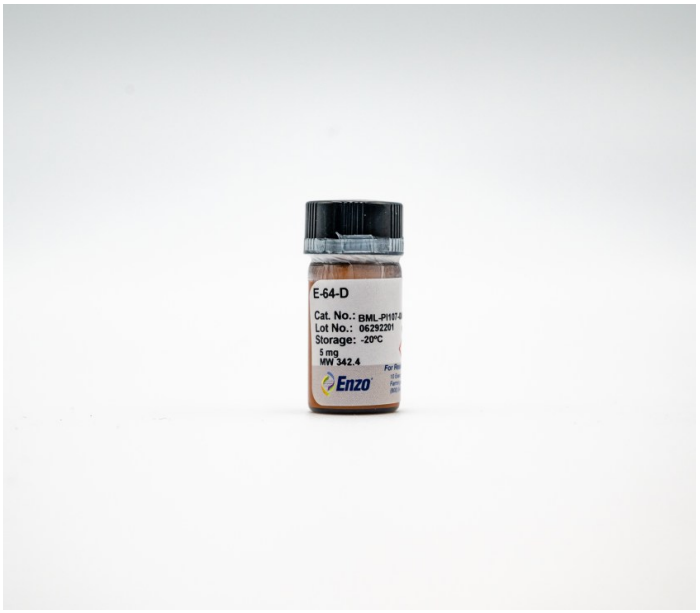
- Potent inhibitor of calpain and cathepsins
- Used in autophagy research
- highly cited

Ordering Information Order Online »

BML-PI107-0001	1mg
BML-PI107-0005	5mg

Manuals, SDS & CofA View Online »




E-64-D
Cat. No.: BML-PI107-0
Lot No.: 06292201
Storage: -20°C
5 mg
MW 342.4
Enzo

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Store, as supplied, at -20°C for up to 1 year. Store solutions at -20°C for up to 2 months.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	2S,3S-trans-(Ethoxycarbonyloxirane-2-carbonyl)-L-leucine-(3-methylbutyl) amide, Aloxistatin
Appearance	White solid.
CAS	88321-09-9
Couple Target	Calpain, Cathepsin, Protease
Couple Type	Inhibitor
Formula	$C_{17}H_{30}N_2O_5$
Identity	Identity determined by MS.
MW	342.4
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO (20mg/ml) or 100% ethanol (>10mg/ml).
Source	Synthetic.

Last modified: May 29, 2024

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