

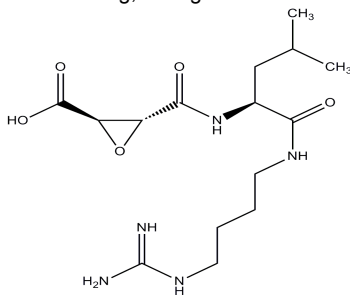
E-64

ALTERNATE NAME: *trans*-Epoxysuccinyl-L-leucylamido(4-guanidino)butane, L-*trans*-3-Carboxyoxiran-2-carbonyl-L-leucylagmatine, N-(*trans*-Epoxysuccinyl)-L-leucine 4-guanidinobutylamide

CATALOG #: 1739-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₅H₂₇N₅O₅

MOLECULAR WEIGHT: 357.41

CA NUMBER: 66701-25-5

APPEARANCE: White crystalline solid

SOLUBILITY: DMSO (25 mg/ml) or H₂O (20 mg/ml)

PURITY: ≥99% by HPLC

STORAGE: Store at -20°C

DESCRIPTION: E-64 is an irreversible, cell-permeable, potent, and highly selective cysteine protease inhibitor. E-64 will not inhibit serine proteases (except trypsin) like other cysteine protease inhibitors, leupeptin and antipain. A very useful cysteine protease inhibitor for use in *in vivo* studies because it has a specific inhibition and displays low toxicity.

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

RELATED PRODUCTS:

AEBSF, HCl (Cat. No. 1644-200, 1G)

Aprotinin (Cat. No. 4690-5, 100, 1000)

Calyculin A (Cat. No. 1562-025)

BCA Protein Quantitation Kit (Cat. No. K812-1000)

Bradford Protein Quantitation Kit (Cat. No. K810-1000)

EZBlock™ Phosphatase Inhibitor Cocktail I (Cat. No. K273-1, 1EA)

EZBlock™ Phosphatase Inhibitor Cocktail II (Cat. No. K275-1, 1EA)

EZBlock™ Phosphatase Inhibitor Cocktail III (Cat. No. K276-1, 1EA)

EZBlock™ Phosphatase Inhibitor Cocktail IV (Cat. No. K282-1, 1EA)

EZBlock™ Protease Inhibitor Cocktail EDTA-Free (Cat. No. K272-1, 5, 1EA)

EZBlock™ Protease Inhibitor Cocktail II (Cat. No. K277-1EA)

EZBlock™ Protease Inhibitor Cocktail III (Cat. No. K278-1EA)

EZBlock™ Protease Inhibitor Cocktail IV (Cat. No. K279-1, 1EA)

EZBlock™ Universal Protease and Phosphatase Inhibitor Cocktail (Cat. No. K283-1, 1EA)

EZBlock™ Universal Protease and Phosphatase Inhibitor Cocktail, EDTA-Free (Cat. No. K284-1, 1EA)

EZLys™ Bacterial Protein Extraction Reagent (Cat. No. 8001-100, 500)

Leupeptin, Hemisulfate (Cat. No. 1648-25, 50, 100)

EZLys™ Lysozyme, Human (Cat. No. 8005-1G, 5G)

Nafamostat Mesylate (Cat. No. 1760-10, 50)

Okadaic Acid (Cat. No. 1543-025)

Okadaic Acid, Ammonium Salt (Cat. No. 1766-025)

Okadaic Acid, Potassium Salt (Cat. No. 1765-025)

Okadaic Acid, Sodium Salt (Cat. No. 1764-025)

PMSF (Cat. No. 1548-5)

Pepstatin A (Cat. No. 1732-25, 100)

Protease Inhibitor Cocktail (Cat. No. K271-500)

FOR RESEARCH USE ONLY! Not to be used on humans.