

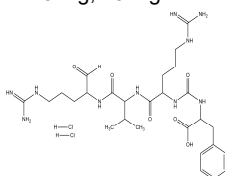
PRODUCT: Antipain dihydrochloride

ALTERNATE NAME: [(S)-1-Carboxy-2-phenylethyl]-carbamoyl-Arg-Val-arginal . 2HCl

CATALOG #: 2834-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₇H₄₄N₁₀O₆·2HCl

MOLECULAR WEIGHT: 677.62

CAS NUMBER: 37682-72-7

APPEARANCE: White to off-white solid

SOLUBILITY: H₂O (> 50 mg/ml) or DMSO (5 mg/ml)

PURITY: ≥97% by HPLC

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

DESCRIPTION: Antipain is a reversible protease inhibitor that inhibits cathepsin A, B, and D as well as papain, trypsin and trypsin-like serine proteases. Antipain is more specific for papain and trypsin than is leupeptin (Cat. No. 1648). The inhibitory potency of antipain is 100-fold higher than that of elastatinal. Acts by forming a hemiacetal adduct between its aldehyde group and the active serine of the proteinase.

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)
- E-64 (Cat. No. 1739-5, 25)
- 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™ Protease Inhibitor Cocktail V, EDTA-Free (Cat. No. K290-1)
- EZBlock™ Protease Inhibitor Cocktail VI (Cat. No. K290-1)
- 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)

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