



CERTIFICATE of ANALYSIS

PRODUCT: **Antipain**
[(S)-1-Carboxy-2-phenylethyl]-carbamoyl-Arg-Val-arginal .
2HCl], C₂₇H₄₄N₁₀O₆ . 2HCl, M.W. 604.7 . 73.0,
CAS# [37682-72-7]

PRODUCT NUMBER: A-1448

LOT NUMBER: B1504

APPEARANCE: White solid

SEQUENCE: [(S)-1-Carboxy-2-phenylethyl]-carbamoyl-Arg-Val-arginal

SOLUBILITY: Soluble in water, methanol, 100 % ethanol or acetonitrile.

PURITY: Inhibitory Activity ≥ 30 U/mg (Trypsin, L-BAPA)

SOURCE/HOST: Synthetic

PRODUCT DESCRIPTION: Inhibits papain and trypsin and to a small extent plasmin. Antipain is more specific for papain and trypsin than is leupeptin. 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.

STORAGE & HANDLING: Store at -20°C. **PROTECT FROM LIGHT!**

CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: DD