

CERTIFICATE of ANALYSIS

PRODUCT: **Antipain, 2HCl (Synthetic)**
N-(N α -Carbonyl-Arg-Val-Arg-al)-Phe dihydrochloride
C₂₇H₄₄N₁₀O₆·2HCl, M.W. 677.62, CAS# [37682-72-7]

PRODUCT NUMBER: A-1448

LOT NUMBER: G1083

APPEARANCE: White powder

SOLUBILITY: > 10 mg/mL in H₂O - 5 mg/mL in DMSO

1-H NMR: Conform to structure

	<u>SPECIFICATIONS:</u>	<u>RESULTS:</u>
PURITY (HPLC) area:	≥ 97%	> 98%
ELEMENTAL ANALYSIS: (as dihydrochloride)	C: 47.86% (Theoretical) H: 6.84% (Theoretical) N: 20.67% (Theoretical) Cl: 10.46% (Theoretical)	C: 45.7% H: 6.7% N: 20.5% Cl: 10.6%
SPECIFIC OPT. ROTATION [[α] ²⁰ _D (c = 1.0, H ₂ O)]:	Reported Value	-26.0°
BIOCHEMICAL ACTIVITY:	Reported Value	≥ 150 KU/mg
STORAGE & HANDLING:	Store desiccated at -20°C. PROTECT FROM LIGHT & MOISTURE!	

CAUTION: For research 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: EV