



CERTIFICATE of ANALYSIS

PRODUCT: **L-NMMA • monoacetate**
[N^G-Monomethyl-L-Arginine • monoacetate]
C₇H₁₆N₄O₂ • CH₃COOH, M.W. 188.2 . 60.1
CAS# [53308-83-1]

PRODUCT NUMBER: M-1014

LOT NUMBER: A8433

APPEARANCE: White Solid

SOLUBILITY: 100 mg/ml soluble in water

PURITY (TLC): R_f 0.19, single spot (chloroform: methanol: 28% ammonium hydroxide: water (20:22:5:5) Detection: NH, IRH

ELEMENTAL ANALYSIS:	SPECIFICATIONS:	RESULTS:
	C: 43.54%	C: 43.39%
	H: 8.12%	H: 8.36%
	N: 22.57%	N: 22.38%

OPTICAL ROTATION: $[\alpha]_D^{23} = +10.7^\circ \pm 2.0^\circ$ (c = 4.37% in water)

MELTING POINT: 187 - 189°C

STORAGE & HANDLING: Store at +4°C.

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: **KT**