

Analytical Data Sheet

Lot number	1000050617 not for drug use
Product	H-Arg-OMe · 2 HCl
Product number	4002664.0025
Molecular formula	C ₇ H ₁₆ N ₄ O ₂ · 2 HCl
Relative molecular mass	261.15

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (elemental analysis)	C-Value 32.3% H-Value 6.7% N-Value 21.5% calc. x 2 HCl
Identification (TLC)	complies with authentic material
Melting point	193° C
Specific optical rotation	$[\alpha]_D^{24} = + 20.1^\circ$ (2.5% in methanol)
Purity (TLC)	> 99%
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	100.0% (Nth 21.45%, Nfd 21.45%)

Latest update: July 20, 2021

Analytical Data Sheet
Lot number **1000050617**