

Analytical Data Sheet

Lot number **1000028192**
not for drug use

Catalog number **E-1360.0250**
Product number **4030316.0250**
Product **H- Arg- OH**
Molecular formula **C₆H₁₄N₄O₂**
Relative molecular mass **174.20**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in 1N HCl)
Identification (elemental analysis)	Theory Found C = 41.4% C = 41.5% H = 8.1% H = 8.0% N = 32.2% N = 32.3%
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +25.4^\circ$ (5% in 1 N HCl)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Other amino acids (GC)	< 0.2%
Enantiomer content (chiral chromatography)	< 0.1% D-enantiomer
Assay (elemental analysis)	100.5% (Nth 32.16%, Nfd 32.33%)
Water content (KF volumetric)	0.2%

Latest update: February 06, 2020

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