

Analytical Data Sheet

Lot number **1071047**
not for drug use

Catalog number **F-2780.0005**
Product number **4016423.0005**
Product **H- Homoarg- OH**
Molecular formula $C_7H_{16}N_4O_2$
Relative molecular mass 188.23

Tests	Results
Appearance	off-white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol 50%)
Identification (TLC)	complies with authentic material
Melting point	116 - 120 °C
Specific optical rotation	$[\alpha]_D^{24} = + 14.64^\circ$ (1 % in 1N HCl)
Purity (TLC)	> 99%
TLC conditions	isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	66.7% (Nth 29.76%, Nfd 19.84%)
Water content (KF volumetric)	11.7%

Latest update: March 30, 2017

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