

## Analytical Data Sheet

**Lot number** **1000035377**  
not for drug use

**Product** H-Homoarg-OH

**Product number** **4016423.0005**

**Molecular formula**  $C_7H_{16}N_4O_2$

**Relative molecular mass** 188.23

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

Latest update: August 05, 2020

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