

Analytical Data Sheet

Lot number **1074708**
not for drug use

Catalog number **F-3045.0005**
Product number **4025043.0005**
Product **H- D- Dap- OH · HCl**
Molecular formula **C₃H₈N₂O₂ · HCl**
Relative molecular mass **140.57**

Tests	Results
Appearance	white crystalline powder
Appearance of solution	clear, colorless solution (50 mg/mL in water)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -24.2^\circ$ (5% in 1N HCl)
Purity (TLC)	> 99%
TLC conditions	methanol/chloroform/ammonia 17% 2/2/1 isopropanol/ammonia conc. 1/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	74.1% (Nth 26.91%, Nfd 19.95%)
Water content (KF coulometric)	0.2%
Chloride content (titration)	24.8% (AgNO ₃)

Latest update: December 08, 2017

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