

Analytical Data Sheet

Lot number **1071312**
not for drug use

Catalog number **F-4065.0001**
Product number **4038071.0001**
Product **H- D- Dap(Boc) - OMe · HCl**
Molecular formula $C_9H_{18}N_2O_4 \cdot HCl$
Relative molecular mass 254.71

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (elemental analysis)	Theory Found C = 41.0 % C = 40.9 % H = 7.6 % H = 7.5 % N = 10.6 % N = 10.6 % calc. x HCl (Cl ⁻ 13.4 %) x 0.5 H ₂ O (3.4 %)
Identification (TLC)	complies with authentic material
Melting point	110 °C
Purity (TLC)	> 98%
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	96.6% (Nth 11.00 %, Nfd 10.63 %)
Water content (KF volumetric)	3.5%
Chloride content (titration)	13.3%

Latest update: April 24, 2017

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