

Analytical Data Sheet

Lot number **1070386**
not for drug use

Catalog number **A-4715.0001**
Product number **4050107.0001**
Product **Boc- Dap- OtBu hydrochloride salt**
Molecular formula $C_{12}H_{24}N_2O_4$
Relative molecular mass 260.33

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (elemental analysis)	Theory Found C = 48.6% C = 48.6% H = 8.5% H = 8.3% N = 9.4% N = 9.5%
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% Boc-Dap-OH
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid 77.5/15/7.5 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	0.40% D-enantiomer
Assay (elemental analysis)	87.9% (Nth 10.76%, Nfd 9.46%)
Water content (KF volumetric)	0.3%
Acetic acid content (IC)	< 0.002%
Chloride content (titration)	11.9%

Latest update: February 27, 2017

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