

Analytical Data Sheet

Lot number **1074414**
not for drug use

Catalog number **A-3220.0001**
Product number **4015642.0001**
Product **Boc- Dap- OH**
Molecular formula $C_8H_{16}N_2O_4$
Relative molecular mass 204.23

Tests	Results
Appearance	slightly yellowish powder
Appearance of solution	clear, yellowish solution (50 mg/mL in methanol 50%)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = + 5.7^\circ$ (1% in methanol 50%)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-Dap-OH < 0.2% Boc-Asn-OH
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	0.1% D-Enantiomer
Assay (elemental analysis)	96.5% (Nth 13.72%, Nfd 13.24%)
Water content (KF volumetric)	2.6%

Latest update: November 16, 2017

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