

Analytical Data Sheet

Lot number **1000008838**
not for drug use

Catalog number **A-3915.0001**
Product number **4030416.0001**
Product **Boc- pentafluoro- Phe- OH**
Molecular formula $C_{14}H_{14}F_5NO_4$
Relative molecular mass 355.26

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	Rf value in agreement with authentic material
Melting point	110 °C
Specific optical rotation	$[\alpha]_D^{24} = -9.4^\circ$ (1% in methanol)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Other amino acids (GC)	< 0.3%
Enantiomer content (chiral chromatography)	0.1% D-Enantiomer
Assay (titration)	97.6% (TBAH)

Latest update: November 14, 2018

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