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Certificate of Analysis

Catalog Number	04123
Product Name	H-Phe(3,5-DiF)-OH L-3,5-Difluorophenylalanine
Lot Number	PA77(1)-196-39
Molecular Formula	C ₉ H ₉ F ₂ NO ₂
Molecular Weight	201.2
Appearance (AN53)	Cream colored powder
¹H NMR^[3] (AN39)	Conforms to structure plus impurity (AR106.40)
HPLC^[1] (AN84)	99.68% area (AR109.33)
HPLC^[2] (AN76)	> 98% ee (AR109.34)
Comments	
1. HPLC Conditions	
a. Mobile Phase	Gradient: 14.7mM NaH ₂ PO ₄ pH 2.9/Acetonitrile
b. Column	Hypersil BDS C18 250mm x 4.6mm 5 μm
c. Detection	UV 210 nm
d. Sample Solvent	1:1 Water/Acetonitrile
2. Chiral HPLC Conditions	
a. Mobile Phase	80% MeOH in buffer (0.5% TEA (aq.) pH 5.1)
b. Column	Chirobiotic T Column 250mm x 4.6 mm 5μm
c. Detector	UV 220 nm
d. Sample Solvent	Mobile Phase
3. NMR Solvent Used	D ₂ O + K ₂ CO ₃
Storage	Store at 0-5°C.
Remarks	See Material Safety Data Sheets for additional information. For Laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

Quality Control Manager

