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Certificate of Analysis

Catalog Number	07433
Product Name	H-D-Phe(2,4-DiCl)-OH D-2,4-Dichlorophenylalanine H-D-Phe(2,4-Cl ₂)-OH PA86-145-73
Lot Number	PA86-145-73
Molecular Formula	C ₉ H ₉ NO ₂ Cl ₂
Molecular Weight	234.20
Appearance	Off-white powder with agglomerates
¹H NMR^[1] (Method AN39)	Conforms to structure Analytical Reference: AR75.76
HPLC^[2] (Method HPLC-972)	99.69% Area Analytical Reference: AR76.61
Chiral HPLC^[3] (Method AN76)	> 98% ee Analytical Reference: AR76.60
Notes	
1. NMR Solvent Used	D ₂ O with 0.02% K ₂ CO ₃
2. 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
3. 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	80% MeOH in buffer (0.5% TEA (aq) pH 5.1)
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