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Certificate of Analysis

Catalog Number	05224
Product Name	H-m-Tyr-OH L-meta-Tyrosine L-3-Hydroxy-phenylalanine
Lot Number	PA90(3)-217-92
Molecular Formula	C ₉ H ₁₁ NO ₃
Molecular Weight	181.19
Appearance	Pale brown powder
(Method AN53)	
¹H NMR^[3]	Conforms to structure
(Method SOP J03))	(Ref No. AR125.27)
HPLC^[1]	100.0% area
(Method AN84)	(Ref No. AR125.40)
Chiral HPLC^[2]	> 98% ee
(Method AN72)	(Ref No. AR125.33)
Notes	
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	14.7mM NaH ₂ PO ₄ pH 2.9
2. Chiral HPLC Conditions	
a. Mobile Phase	30% 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)
3. NMR Solvent Used	D ₂ O + K ₂ CO ₃
Storage	Store at RT.
Caution	Irritant!

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