

Analytical Data Sheet

Lot number **1075092**
not for drug use

Catalog number **F-2235.0250**
Product number **4011845.0250**
Product **N- Me- Tyr- OH**
Molecular formula $C_{10}H_{13}NO_3$
Relative molecular mass 195.22

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (5 mg/ml in methanol + 2 drops 1N HCl) clear, colorless solution (5 mg/ml in acetic acid 80 %)
Identification (elemental analysis)	Theory Found C = 61.5 % C = 61.2 % H = 6.7 % H = 6.6 % N = 7.2 % N = 7.1 %
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +17.1^\circ$ (1 % in 1N HCl)
Purity (TLC)	> 98%
TLC conditions	isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine, pauly
Enantiomer content (GC)	< 0.1% D-Enantiomer
Assay (elemental analysis)	99.4% (Cth 61.53 %, Cfd 61.18 %)
Water content (KF volumetric)	0.8%

Latest update: January 08, 2018

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