

Analytical Data Sheet

Lot number **1000004179**
not for drug use

Catalog number **E-2500.0250**
Product number **4031215.0250**
Product **H- Trp- OH**
Molecular formula $C_{11}H_{12}N_2O_2$
Relative molecular mass 204.23

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (10 mg/mL in water)
Identification (elemental analysis)	Theory Found C = 64.7% C = 64.7% H = 5.9% H = 6.0% N = 13.7% N = 13.7%
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -31.5^\circ$ (1% in water)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Other amino acids (GC)	< 0.2%
Enantiomer content (chiral chromatography)	0.2% D-enantiomer
Assay (elemental analysis)	100.1% (Nth 13.72%, Nfd 13.73%)

Latest update: August 03, 2018

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