

Analytical Data Sheet

Lot number **1000027163**
not for drug use

Catalog number **E-2975.0025**
Product number **4017673.0025**
Product **H- Trp(Boc) - OH**
Molecular formula $C_{16}H_{20}N_2O_4$
Relative molecular mass 304.35

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in acetic acid 80%)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_{365}^{24} = -11.3^\circ$ (1% in acetic acid 80%)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.5% H-Trp-OH
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/30/9/16.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	96.3% (Nth 9.21%, Nfd 8.87%)
Water content (KF volumetric)	0.7%

Latest update: January 20, 2020

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