

Analytical Data Sheet

Lot number **1000018405**
not for drug use

Catalog number **G-2435.0001**
Product number **4001989.0001**
Product **H- Ile- Trp- OH**
Molecular formula $C_{17}H_{23}N_3O_3$
Relative molecular mass 317.39

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +22.1^\circ$ (1.5% in MeOH)
Purity (TLC)	$\geq 99\%$
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 6/4/1/3 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (titration)	91.8% TBAH
Water content (KF volumetric)	1.8%

Latest update: July 16, 2019

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