

Analytical Data Sheet

Lot number **1000000535**
not for drug use

Catalog number **G-3425.0001**
Product number **4012855.0001**
Product **H- Tyr- Ile- OH**
Molecular formula $C_{15}H_{22}N_2O_4$
Relative molecular mass 294.35

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (25 mg/mL in acetic acid 80%)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +32.1^\circ$ (1% in acetic acid 80%)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 60/45/14/6 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (titration)	97.3% (HClO ₄)
Water content (KF volumetric)	1.5%

Latest update: May 16, 2018

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