

Analytical Data Sheet

Lot number **1000013727**
not for drug use

Catalog number **E-2815.0001**
Product number **4014947.0001**
Product **H- Gln(Trt) - OH**
Molecular formula $C_{24}H_{24}N_2O_3$
Relative molecular mass 388.47

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in 80% AcOH)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_{365}^{24} = + 15.1^\circ$ (1 % AcOH 80%)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 (chloroform/methanol/acetic acid 32%;5/3/1) / (chloroform/methanol/acetic acid/H ₂ O;45/13/1/2) plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: ammoniummolybdate
Assay (elemental analysis)	98.6% (Cth 74.21 %, Cfd 73.16 %)
Assay (titration)	97.5% (HClO ₄)
Water content (KF volumetric)	1.4%

Latest update: March 19, 2019

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