

Analytical Data Sheet

Lot number **1062856**
not for drug use

Catalog number **A-4755.0025**
Product number **4039505.0025**
Product **Boc- His(Boc) - OH toluene solvate**
Molecular formula **C₁₆H₂₅N₃O₆**
Relative molecular mass **355.39**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 97%
Related impurities (TLC)	< 2% Boc-His-OH < 0.5% total other
TLC conditions	chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid/H ₂ O 90/10/0.5/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	0.1% D-enantiomer
Assay (titration)	84.0% (TBAH)
Residual organic solvents (GC)	toluene 16.0%

Latest update: November 24, 2015

Analytical Data Sheet
Lot number **1062856**