

## Analytical Data Sheet

Lot number **1058637**  
not for drug use

Catalog number **A-4755.0005**  
Product number **4039505.0005**  
Product **Boc- His(Boc) - OH toluene solvate**  
Molecular formula **C<sub>16</sub>H<sub>25</sub>N<sub>3</sub>O<sub>6</sub>**  
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 < 1% total other
TLC conditions	chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid/H <sub>2</sub> O 90/10/0.5/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	< 0.1% D-enantiomer
Assay (titration)	83.7% (TBAH)
Residual organic solvents (GC)	toluene 12.5%

Latest update: April 08, 2015

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