

Analytical Data Sheet

Lot number

1040424

not for drug use

Catalog Number	A-4670.0005
Product number	4045201.0005
Product	Boc- D- His(Boc) - OH
Molecular formula	$C_{16}H_{25}N_3O_6$
Relative molecular mass	355.39

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (ESI-MS)	m = 354.9u (average mass)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 98%
Related impurities (TLC)	< 2% Boc-D-His-OH < 0.5% H-D-His-OH
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, chlorine-tolidine
Enantiomer content (GC)	0.2% L-Enantiomer
Assay (titration)	99.0% (TBAH)
Latest update: January 16, 2012	