

## Analytical Data Sheet

Lot number **1068688**  
not for drug use

Catalog number **F-1665.0005**  
Product number **4001611.0005**  
Product **H- p- Iodo- Phe- OH**  
Molecular formula  $C_9H_{10}INO_2$   
Relative molecular mass 291.09

Tests	Results
Appearance	off white powder
Appearance of solution	clear, colorless solution (10 mg/mL in acetic acid 80%)
Identification (elemental analysis)	Theory Found C = 37.1% C = 37.1% H = 3.5% H = 3.5% N = 4.8% N = 4.8%
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -5.9^\circ$ (1% in 80 % acetic acid)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 6/5/1/3 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	< 0.1% D-Enantiomer
Assay (titration)	99.5% (TBAH)
Water content (KF volumetric)	0.5%

Latest update: November 15, 2016

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