

Analytical Data Sheet

Lot number **1074716**
not for drug use

Catalog number **F-1860.0001**
Product number **4008339.0001**
Product **H- D- 2- NaI- OH**
Molecular formula **C₁₃H₁₃NO₂**
Relative molecular mass **215.25**

Tests	Results
Appearance	white to yellow powder
Appearance of solution	clear, yellowish solution (10 mg/mL in 80% acetic acid)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} + 19.9^\circ$ (1% 80 % acetic acid)
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 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	0.4% L-enantiomer
Other amino acids (GC)	< 0.3%
Assay (titration)	97.3% (HClO ₄)
Water content (KF volumetric)	0.9%

Latest update: December 08, 2017

Analytical Data Sheet
Lot number **1074716**