

Analytical Data Sheet

Lot number **1000005078**
not for drug use

Catalog number **F-3975.0250**
Product number **4033275.0250**
Product **H- trans- 4- Fluoro- Pro- OH**
Molecular formula **C₅H₈FNO₂**
Relative molecular mass **133.12**

Tests	Results
Appearance	off white powder
Appearance of solution	clear, colorless solution (50 mg/mL in water)
Identification (elemental analysis)	Theory Found C = 45.1% C = 45.0% H = 6.1% H = 6.0% N = 10.5% N = 10.5%
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	0.10% Epimer
Assay (elemental analysis)	100.8% (Nth 10.45%, Nfd 10.53%)
Assay (titration)	101.0% (TBAH)
Water content (KF volumetric)	0.3%

Latest update: August 27, 2018

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