

Analytical Data Sheet

Lot number **1073100**
not for drug use

Catalog number **I-1285.0050**
Product number **4001559.0050**
Product **H- Phe- AMC trifluoroacetate salt**
Molecular formula **C₁₉H₁₈N₂O₃**
Relative molecular mass **322.36**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (elemental analysis)	<p>Theory Found</p> <p>C = 57.7% C = 57.6%</p> <p>H = 4.4% H = 4.3%</p> <p>N = 6.4% N = 6.3%</p> <p>ber. x 1.0 TFA (26.1%) x 0.05 H₂O (0.2%)</p>
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% AMC (7-amino-4-methylcoumarin)
TLC conditions	<p>chloroform/methanol/acetic acid 77.5/15/7.5</p> <p>chloroform/methanol/acetic acid 32% 5/3/1</p> <p>plate: silicagel 60 F₂₅₄</p> <p>detected by: UV, ninhydrin, TMB</p>
Assay (elemental analysis)	73.4% (Nth 8.69%, Nfd 6.38%)
Water content (KF volumetric)	0.4%
Trifluoroacetic acid content (HPLC)	26.0670%

Latest update: August 24, 2017

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