

Analytical Data Sheet

Lot number **1000030807**
not for drug use

Catalog number **I-1385.0250**
Product number **4031332.0250**
Product **H- Val- AMC trifluoroacetate salt**
Molecular formula **C₁₅H₁₈N₂O₃**
Relative molecular mass **274.32**

Tests	Results
Appearance	white powder
Appearance of solution	clear, yellowish solution (50 mg/mL in methanol)
Identification (elemental analysis)	Theory Found C = 51.9 % C = 52.1 % H = 4.0 % H = 4.8 % N = 7.1 % N = 7.1 %
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% AMC
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid 77.5/15/7.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	68.6% (Nth 10.21%, Nfd 7.01%)
Water content (KF volumetric)	1.1%
Trifluoroacetic acid content (HPLC)	29.6%

Latest update: April 14, 2020

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