

Analytical Data Sheet

Lot number **1000035016**
not for drug use

Product H-Pro-AMC hydrobromide salt
Product number **4001869.0050**
Molecular formula $C_{15}H_{16}N_2O_3$
Relative molecular mass 272.30

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in 80% acetic acid)
Identification (elemental analysis)	Theory Found C = 50.3% C = 50.3% H = 4.9% H = 4.7% N = 7.8% N = 7.8% calc. as 1 HBr (22.33% Br) 0.26 H ₂ O (1.31 %)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.05% AMC (7-amino-4-methylcoumarin)
TLC conditions	n-butanol/acetic acid/ H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H ₂ O 60/45/14/6 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	74.4% (Nth 10.29%; Nfd 7.66%)
Water content (KF volumetric)	1.3%
Bromide content (titration)	21.9% (AgNO ₃)