

Analytical Data Sheet

Lot number **1000047550**
not for drug use

Product H-Orn-AMC hydrochloride salt

Product number **4006789.0250**

Molecular formula $C_{15}H_{19}N_3O_3$

Relative molecular mass 289.33

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in water)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% AMC (7-amino-4-methylcoumorin)
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/30/9/16.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	79.3% (Nth 14.52%; Nfd 11.51%)
Water content (KF coulometric)	0.2%
Chloride content (titration)	19.5%

Latest update: March 22, 2021

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