

Analytical Data Sheet

Lot number

1022285

not for drug use

Catalog Number	I-1280.1000
Product number	4006789.1000
Product	H- Orn- AMC hydrochloride salt
Molecular formula	C ₁₅ H ₁₉ N ₃ O 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
Specific optical rotation	$[\alpha]_D^{24} = + 88.5^\circ$ (1 % in water)
Purity (TLC)	> 98%
Related impurities (TLC)	< 0.1% 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 ethylacetate/pyridine/acetic acid/H ₂ O 60/30/9/16.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, IRH
Assay (elemental analysis)	79.1 % (Nth 14.52 %, Nfd 11.49 %)
Chloride content (titration)	19.4% (AgNO ₃)
Latest update: February 19, 2009	

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