

Analytical Data Sheet

Lot number

1030022

not for drug use

Catalog Number	I-1230.0050
Product number	4005319.0050
Product	H- Hyp- AMC hydrochloride salt
Molecular formula	C ₁₅ H ₁₆ N ₂ O ₄
Relative molecular mass	288.30

Tests	Results								
Appearance	beige powder								
Appearance of solution	clear, yellow solution (25 mg/ml in H ₂ O)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 54.9 %</td> <td>C = 54.9 %</td> </tr> <tr> <td>H = 5.3 %</td> <td>H = 5.2 %</td> </tr> <tr> <td>N = 8.5 %</td> <td>N = 8.5 %</td> </tr> </table> <p>calc. as 1 HCl (10.8 % Cl⁻) 0.2 H₂O (1.1 %)</p>	Theory	Found	C = 54.9 %	C = 54.9 %	H = 5.3 %	H = 5.2 %	N = 8.5 %	N = 8.5 %
Theory	Found								
C = 54.9 %	C = 54.9 %								
H = 5.3 %	H = 5.2 %								
N = 8.5 %	N = 8.5 %								
Identification (TLC)	complies with authentic material								
Purity (TLC)	> 98%								
Related impurities (TLC)	< 0.1% AMC								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid/H ₂ O 60/45/14/6 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine, UV 366nm								
Assay (elemental analysis)	88.2% (Cth 62.48%, Cfd 55.13%)								
Water content (KF volumetric)	0.9%								
Chloride content (titration)	10.8% (AgNO ₃)								
General comment	product supplied as a hydrochloride salt								
Latest update: March 26, 2010									