

Analytical Data Sheet

Lot number **1073013**
not for drug use

Catalog number **I-1170.0250**
Product number **4006058.0250**
Product **H- Cit- AMC trifluoroacetate salt**
Molecular formula **C₁₆H₂₀N₄O₄**
Relative molecular mass **332.36**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 46.57 %</td> <td>C = 46.58 %</td> </tr> <tr> <td>H = 4.63 %</td> <td>H = 4.89 %</td> </tr> <tr> <td>N = 11.81 %</td> <td>N = 11.65 %</td> </tr> </tbody> </table> <p>calc. as TFA (28.8 %) x 0.3 H₂O (1.1 %)</p>	Theory	Found	C = 46.57 %	C = 46.58 %	H = 4.63 %	H = 4.89 %	N = 11.81 %	N = 11.65 %
Theory	Found								
C = 46.57 %	C = 46.58 %								
H = 4.63 %	H = 4.89 %								
N = 11.81 %	N = 11.65 %								
Identification (TLC)	complies with authentic material								
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, TMB								
Assay (elemental analysis)	67.4% (Nth 16.86%, Nfd 11.37%)								
Water content (KF volumetric)	1%								
Trifluoroacetic acid content (HPLC)	30.8%								

Latest update: August 21, 2017

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