

Analytical Data Sheet

Lot number **1000011645**
not for drug use

Catalog number **I-1090.0250**
Product number **4007281.0250**
Product **H- Cys(Bzl) - AMC**
Molecular formula **C₂₀H₂₀N₂O₃S**
Relative molecular mass **368.46**

Tests	Results								
Appearance	off 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 = 65.2%</td> <td>C = 65.5%</td> </tr> <tr> <td>H = 5.5%</td> <td>H = 5.6%</td> </tr> <tr> <td>N = 7.6%</td> <td>N = 7.6%</td> </tr> </tbody> </table>	Theory	Found	C = 65.2%	C = 65.5%	H = 5.5%	H = 5.6%	N = 7.6%	N = 7.6%
Theory	Found								
C = 65.2%	C = 65.5%								
H = 5.5%	H = 5.6%								
N = 7.6%	N = 7.6%								
Identification (TLC)	complies with authentic material								
Purity (TLC)	> 99%								
Related impurities (TLC)	< 0.05% AMC (7-amino-4-methylcoumarin)								
TLC conditions	toluene/dioxane/acetic acid 95/25/4 chloroform/methanol 9/1 chloroform/methanol/acetic acid/H ₂ O 90/10/0.5/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Assay (elemental analysis)	99.7% (Nth 7.58%, Nfd 7.56%)								
Water content (KF volumetric)	3.3%								

Latest update: February 07, 2019

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