

Analytical Data Sheet

Lot number

1022190

not for drug use

Catalog Number	I-1775.1000
Product number	4017738.1000
Product	H- Asp- AMC
Molecular formula	C ₁₄ H ₁₄ N ₂ O ₅
Relative molecular mass	290.28

Tests	Results								
Appearance	pale beige powder								
Appearance of solution	clear, colorless solution (10 mg/ml in AcOH 50 %)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 57.93 %</td> <td>C = 58.01 %</td> </tr> <tr> <td>H = 4.86 %</td> <td>H = 5.02 %</td> </tr> <tr> <td>N = 9.65 %</td> <td>N = 9.43 %</td> </tr> </table>	Theory	Found	C = 57.93 %	C = 58.01 %	H = 4.86 %	H = 5.02 %	N = 9.65 %	N = 9.43 %
Theory	Found								
C = 57.93 %	C = 58.01 %								
H = 4.86 %	H = 5.02 %								
N = 9.65 %	N = 9.43 %								
Identification (TLC)	conforms with authentic material								
Purity (TLC)	> 98%								
Related impurities (TLC)	< 0.1% AMC								
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 ethylacetate/pyridine/acetic acid/H ₂ O 60/30/9/16.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.9% (Cth 57.93 %, Cfd 58.01 %)								
Latest update: February 11, 2009									