

Analytical Data Sheet

Lot number

1023810

not for drug use

Catalog Number	I-1830.0250
Product number	4029021.0250
Product	Ac- Ala- AMC
Molecular formula	C ₁₅ H ₁₆ N ₂ O ₄
Relative molecular mass	288.31

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in AcOH 80 %) (slightly warmed)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% AMC (7-amino-4-methylcoumarin)
TLC conditions	chloroform/methanol/acetic acid 85/10/5 chloroform/methanol 9/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	97.8% (Nth 9.72 %, Nfd 9.51 %)
Water content (KF volumetric)	1.5%
Latest update: May 04, 2009	

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