

Analytical Data Sheet

Lot number **1066070**
not for drug use

Catalog number **I-1830.0050**
Product number **4029021.0050**
Product **Ac- Ala- AMC**
Molecular formula $C_{15}H_{16}N_2O_4$
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 30, 2016

Analytical Data Sheet
Lot number **1066070**