

Analytical Data Sheet

Lot number **1000029666**
not for drug use

Catalog number **I-1865.0050**
Product number **4033201.0050**
Product **Z- Ala- Ala- Asn- AMC**
Molecular formula $C_{28}H_{31}N_5O_8$
Relative molecular mass 565.58

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (25 mg/ml in DMF)
Identification (TLC)	Rf value in agreement with authentic material
Purity (TLC)	≥ 99%
Related impurities (TLC)	< 0.1% AMC
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	97.7% (Nth 12.38%, Nfd 12.09%)
Water content (KF volumetric)	1.3%

Latest update: March 19, 2020

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