

Analytical Data Sheet

Lot number

1070769

not for drug use

Catalog number	I-1140.0100
Product number	4002155.0100
Product	Z- Gly- Gly- Arg- AMC · HCl
Molecular formula	C ₂₈ H ₃₃ N ₇ O ₇ · HCl
Relative molecular mass	616.07

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% AMC (7-amino-4-methylcoumarin)
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 chloroform/methanol/acetic acid 77.5/15/7.5 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)	96.2% (Nth 15.91%, Nfd 15.31%)
Water content (KF volumetric)	1.3%
Chloride content (titration)	5.5%

Latest update: March 16, 2017

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