

Analytical Data Sheet

Lot number	1000052931 not for drug use
Product	Ac-Arg-OMe · HCl
Product number	4000615.0001
Molecular formula	C ₉ H ₁₈ N ₄ O ₃ · HCl
Relative molecular mass	266.73

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (elemental analysis)	C-Value 40.58% H-Value 7.07% N-Value 21.02% calc. as HCl (13.6%) x 0.1 H ₂ O (0.7%)
Identification (TLC)	conforms with authentic material
Melting point	182° C (foams)
Specific optical rotation	[α] _D ²⁴ = - 15.7 ° (1% in methanol)
Purity (TLC)	> 99%
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
Water content (KF volumetric)	0.6%
Chloride content (titration)	13.4% (AgNO ₃)

Latest update: August 17, 2021

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