

Analytical Data Sheet

Lot number **1000044702**
not for drug use

Product Boc-D-Arg(Z)₂-OH
Product number **4019041.0005**
Molecular formula C₂₇H₃₄N₄O₈
Relative molecular mass 542.59

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (elemental analysis)	C-Value 59.9% H-Value 6.2% N-Value 10.3%
Identification (TLC)	complies with authentic material
Melting point	141°C
Specific optical rotation	[α] _D ²⁴ = - 2.5° (1% in methanol)
Purity (TLC)	99%
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid/H ₂ O 85/13/0.5/1.5 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	100.0% (N _{Th} 10.33%, N _{Fd} 10.33%)

Latest update: March 09, 2021

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