

Analytical Data Sheet

Lot number **1000012628**
not for drug use

Catalog number **C-3490.0005**
Product number **4014138.0005**
Product **Z- Arg(Pmc) - OH · CHA**
Molecular formula $C_{28}H_{38}N_4O_7S \cdot C_6H_{13}N$
Relative molecular mass 673.87

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (ESI-MS)	m = 874.2u (monoisotopic mass)
Identification (TLC)	complies with authentic material
Melting point	169 °C
Purity (HPLC)	98.89% (TFA)
Related impurities (HPLC)	0.06% Z-Arg-OH
Purity (TLC)	99%
Related impurities (TLC)	< 0.05% (Z-Arg-OH)
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	< 0.1% D-Enantiomer
Other amino acids (GC)	< 0.3%
Assay (titration)	98.7%
Water content (KF volumetric)	0.4%

Latest update: February 22, 2019

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