

Analytical Data Sheet

Lot number	1000041771 not for drug use
Product	Acetyl-Octreotide acetate salt Ac-D-Phe-Cys-Phe-D-Trp-Lys-Thr-Cys-L-threoninol acetate salt (Disulfide bond)
Product number	4071290.2002
Molecular formula	C ₅₁ H ₆₈ N ₁₀ O ₁₁ S ₂
Relative molecular mass	1061.29

Tests	Results
Appearance	white powder
Identification (ESI-MS)	m = 1060.5u (monoisotopic mass)
Identification (ESI-MS/MS)	conforms with sequence
Identification (MALDI-MS)	1061.00
Amino acid analysis	Thr 1.36 (1) Cys* 0.16 (2) Phe 2.00 (2) Lys** 1.21 (1) Trp* 0.18 (1) th*** Det (1) * Partially destroyed during acid hydrolysis ** Lysine value high due to the co-elution with L-threoninol ***th detected as L-threoninol
Solubility	soluble in water at 1 mg/mL
Purity (HPLC)	97.1%
Related impurities (HPLC)	2.91%
Assay (elemental analysis)	83.7% (Nth = 13.20%, Nfd = 11.05%)
Assay (AAA)	84.7%
Residual organic solvents (GC)	acetonitrile not det. (LOQ 38 mg/kg, LOD 11 mg/kg) DMF not det. (LOQ 165 mg/kg, LOD 49 mg/kg) isopropanol not det. (LOQ 48 mg/kg, LOD 14 mg/kg) piperidine not det. (LOQ 423 mg/kg, LOD 127 mg/kg) pyridine not det. (LOQ 70 mg/kg, LOD 21 mg/kg)
Date of manufacture	December 08, 2010

Latest update: November 27, 2020

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