

Analytical Data Sheet

Lot number **1000019340**
not for drug use

Retest date N/A

Catalog number n/a

Product number **4071291.2001**

Product **(Cys(S)²) - Octreotide trifluoroacetate salt**
H- D- Phe- Cys(S) - Phe- D- Trp- Lys- Thr- Cys- L-
threoninol trifluoroacetate salt
(Trisulfide bond)

Molecular formula $C_{49}H_{66}N_{10}O_{10}S_3$

Relative molecular mass 1051.32

Tests	Results
Appearance	white powder
Identification (ESI-MS)	m = 1050.4u (monoisotopic mass)
Identification (ESI-MS/MS)	conforms with sequence
Identification (MALDI-MS)	1050.51
Amino acid analysis	Thr 0.93 (1) th*** Det(1) Cys* 0.00 (2) Phe 2.00 (2) Lys** 1.40 (1) Trp* 0.74 (1) *Partially destroyed during acid hydrolysis **Lysine value high due to the co-elution of L-threoninol ***th detected as L-threoninol
Solubility	soluble in water at 1mg/mL
Purity (HPLC)	97.2%
Related impurities (HPLC)	2.80%
Assay (elemental analysis)	77.5% (Nth = 13.32%, Nfd=10.33%)
Assay (AAA)	70.1%
Residual organic solvents (GC)	acetonitrile 471 mg/kg (LOQ 37 mg/kg, LOD 11 mg/kg) DMF not det. (LOQ 163 mg/kg, LOD 48 mg/kg) isopropanol not det. (LOQ 47 mg/kg, LOD 13 mg/kg) piperidine not det. (LOQ 417 mg/kg, LOD 125 mg/kg) pyridine not det. (LOQ 69 mg/kg, LOD 20 mg/kg)
Date of manufacture	April 11, 2018

Latest update: August 07, 2019

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