

Analytical Data Sheet

Lot number **1000017814**
not for drug use

Catalog number n/a
Product number **4081126.2001**
Product **(Orn(Ac)⁸ - Atosiban**
3- Mercaptopropionyl- D- Tyr(Et) - Ile- Thr- Asn- Cys-
Pro- Orn(Ac) - Gly- NH₂
(Disulfide bond)
Molecular formula C₄₅H₆₉N₁₁O₁₃S₂
Relative molecular mass 1036.24

Tests	Results
Appearance	white powder, without visible impurities
Appearance of solution	clear, colorless solution (1 mg/mL in 50% acetic acid)
Identification (ESI-MS)	m = 1035.1u (monoisotopic mass)
Purity (HPLC)	99.4% (TFA)
Related impurities (HPLC)	0.6% total
Assay (elemental analysis)	91.3% (Nth 14.87%, Nfd 13.57%)
Water content (KF coulometric)	2.3%
Acetic acid content (HPLC)	5.3%
Mass balance	98.8%

Latest update: June 28, 2019

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