

Analytical Data Sheet

Lot number

1062633

not for drug use

Catalog number	H-8140.0001
Product number	4016943.0001
Product	Anantin (linear sequence) trifluoroacetate salt H- Gly- Phe- Ile- Gly- Trp- Gly- Asn- Asp- Ile- Phe- Gly- His- Tyr- Ser- Gly- Asp- Phe- OH trifluoroacetate salt
Molecular formula	C ₉₀ H ₁₁₃ N ₂₁ O ₂₅
Relative molecular mass	1889.01

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (1 mg/mL in 50% acetic acid)
Identification (FAB-MS)	[M + H] ⁺ m/z = 1888.8 u
Amino acid analysis	Asx 3.24 (3) His 1.12 (1) Tyr 1.00 (1) Ile 1.82 (2) Ser 0.85 (1) Trp det. (1) Phe 2.85 (3) Gly 5.53 (5)
Solubility	soluble in AcOH 50 %
Purity (HPLC)	93.6% (TFA) 93.6% (TEAP)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	86.1% (Nth 15.57 %, Nfd 13.40 %)

Latest update: November 06, 2015

Analytical Data Sheet
Lot number **1062633**