

Analytical Data

Code: 4445-s

Compound: LL-37 (Human)

Leu-Leu-Gly-Asp-Phe-Phe-Arg-Lys-Ser-Lys-Glu-Lys-Ile-Gly-
Lys-Glu-Phe-Lys-Arg-Ile-Val-Gln-Arg-Ile-Lys-Asp-Phe-Leu-
Arg-Asn-Leu-Val-Pro-Arg-Thr-Glu-Ser

(M. W. 4493.26)

C₂₀₅ H₃₄₀ N₆₀ O₅₃

Appearance : White amorphous powder

*** Specific Optical Rotation**

$[\alpha]_D^{20}$ -99.6 ° (c* 0.13, 1% AcOH)

* c value was calculated from the net peptide weight.

*** Elemental Analysis**

Found C, 50.81 ; H, 7.54 ; N, 15.94 %

*** Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110 °C, 22h.

Asp (3) 3.00	Thr (1) 0.97	Ser (2) 1.75	Glu (4) 4.02
Pro (1) 1.04	Gly (2) 2.00	Val (2) 1.77	Ile (3) 2.70
Leu (4) 4.04	Phe (4) 3.94	Lys (6) 5.80	NH ₃ (2) 2.49
Arg (5) 4.96			

Mass Spectral Analysis : Exhibits correct MW

Sample : 4445-s LL-37 (Human)
Sample Size : 2.4 μ L (0.1 mg/ 20 μ L- 1% AcOH)
Column : YMC Pack ODS-A S-3 μ m (4.6 mm I.D. \times 150 mm) #0415227716(W) + G(4 \times 10 mm)
Eluent : 0.1M NaCl (pH 2.4)
Gradient : Acetonitrile 20% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 135 kg/cm² , ; Temp. : 40 $^{\circ}$ C
Detection : CH.1 210 nm

