

Certificate of Analysis

Product Name:	LL-37, human (TFA)
Cat. No.:	CS-0097770
Batch No.:	43133
Chemical Name:	L-Serine, L-leucyl-L-leucylglycyl-L- α -aspartyl-L-phenylalanyl-L-phenylalanyl-L-arginyl-L-lysyl-L-seryl-L-lysyl-L- α -glutamyl-L-lysyl-L-iso-leucylglycyl-L-lysyl-L- α -glutamyl-L-phenylalanyl-L-lysyl-L-arginyl-L-iso-leucyl-L-valyl-L-glutamyl-L-arginyl-L-iso-leucyl-L-lysyl-L- α -aspartyl-L-phenylalanyl-L-leucyl-L-arginyl-L-asparaginy-L-leucyl-L-valyl-L-prolyl-L-arginyl-L-threonyl-L- α -glutamyl-, TFA

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C ₂₀₅ H ₃₄₀ N ₆₀ O ₅₃ .C ₂ HF ₃ O ₂
Molecular Weight:	4607.28
Storage:	-80°C, 2 years; -20°C, 1 year (Sealed storage, away from moisture)
Chemical Structure:	

LLGDFFRKSK EKIGKEFKRI VQRIKDFLRN LVPRTES (TFA salt)

ANALYTICAL DATA

Appearance:	White to off-white (Solid)
MS:	Consistent with structure
Purity (HPLC):	96.50%
Elemental Analysis	
Theoretical:	C(-), H(-), N(-), Peptide Content($\geq 60.0\%$)
Result:	C(40.91%), H(5.62%), N(11.66%), Peptide Content(62.38%)
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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