

## Leptin (93-105), human

**Cat. No.:** HY-P2540  
**CAS No.:** 200436-43-7  
**Molecular Formula:** C<sub>64</sub>H<sub>110</sub>N<sub>20</sub>O<sub>23</sub>  
**Molecular Weight:** 1527.7  
**Sequence:** Asn-Val-Ile-Gln-Ile-Ser-Asn-Asp-Leu-Glu-Asn-Leu-Arg  
**Sequence Shortening:** NVIQISNDLENLR  
**Target:** Others  
**Pathway:** Others  
**Storage:** Sealed storage, away from moisture and light, under nitrogen  
 Powder -80°C 2 years  
 -20°C 1 year

# NVIQISNDLENLR

\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 50 mg/mL (32.73 mM); ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		0.6546 mL	3.2729 mL	6.5458 mL
	5 mM		0.1309 mL	0.6546 mL	1.3092 mL
	10 mM		0.0655 mL	0.3273 mL	0.6546 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Leptin (93-105), human, is the amino acids 93 to 105 fragment of human leptin. Leptin is a 167-residue peptide hormone mainly produced by adipocytes and acts in the central nervous system to primarily coordinate the metabolic adaptations to fasting<sup>[1][2]</sup>.

### REFERENCES

[1]. Andreoli MF, Donato J, Cakir I, Perello M. Leptin resensitisation: a reversion of leptin-resistant states. J Endocrinol. 2019;241(3):R81-R96.

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA