

Leptin (22-56), human

Chemical Properties

CAS No.:	183598-56-3
Formula:	C171H298N50O56
Molecular Weight:	3950.52
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Leptin(22-56),human is a peptide fragment of Leptin, which ACTS through a variety of subtypes of Ob-Rs.
In vitro	Leptin (22-56), human is the fragment of leptin, inhibits corticosterone production, but shows no effect on the proliferation of cultured adrenocortical cells. Leptin (22-56) may be responsible for the direct inhibitory effect on secretion and growth of leptin on cultured rat adrenocortical cells[1]. Leptin (22-56) inhibits food intake, and may favour erythropoiesis[2].

Solubility Information

Solubility	H2O: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.253 mL	1.266 mL	2.531 mL
5 mM	0.051 mL	0.253 mL	0.506 mL
10 mM	0.025 mL	0.127 mL	0.253 mL
50 mM	0.005 mL	0.025 mL	0.051 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Malendowicz LK, et al. Effects of leptin and leptin fragments on corticosterone secretion and growth of cultured rat adrenocortical cells. Int J Mol Med. 2004 Nov;14(5):873-7.

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