
Product Data Sheet

Product Name: Leptin (22-56), human

Cat. No.: GC30411

Chemical Properties

Cas. No. 183598-56-3

SMILES Val-Pro-Ile-Gln-Lys-Val-Gln-Asp-Asp-Thr-Lys-Thr-Leu-Ile-Lys-Thr-Ile-Val-Thr-Arg-Ile-Asn-Asp-Ile-Ser-His-Thr-Gln-Ser-Val-Ser-Ser-Lys-Gln-Lys

Formula C₁₇₁H₂₉₈N₅₀O₅₆

M.Wt

3950.52

Solubility Soluble in Water

Storage

Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Leptin (22-56), human is the fragment of leptin, mediated via several isoforms of receptors (Ob-Rs).

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].

[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. [2]. Stamatiadis DN, et al. Elevated leptin fragments in renal failure correlate with BMI and haematopoiesis and are normalized by haemodialysis. Clin Endocrinol (Oxf). 2004 Apr;60(4):434-41.

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

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