

Data Sheet

Product Name:	Leptin (22-56), human	
Cat. No.:	CS-0044647	
CAS No.:	183598-56-3	
Molecular Formula:	C171H298N50O56	
Molecular Weight:	3950.52	VPIQKVQDDTKTIKTIVTRINDISHTQSVSSKQK
Target:	Others	
Pathway:	Others	
Solubility:	H2O	

BIOLOGICAL ACTIVITY:

Leptin (22-56), human is the fragment of leptin, mediated via several isoforms of receptors (**Ob-Rs**)^[1] **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].

References:

[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.

CAIndexNames:

L-Lysine, L-valyl-L-prolyl-L-isoleucyl-L-glutamyl-L-lysyl-L-valyl-L-glutamyl-L-α-aspartyl-L-α-aspartyl-L-threonyl-L-lysyl-L-threonyl-L-leucyl-L-isoleucyl-L-lysyl-L-threonyl-L-isoleucyl-L-valyl-L-threonyl-L-arginyl-L-isoleucyl-L-asparagyl-L-α-aspartyl-L-isoleucyl-L-seryl-L-histidyl-L-threonyl-L-glutamyl-L-seryl-L-valyl-L-seryl-L-seryl-L-lysyl-L-glutamyl-

SMILES:

[VPIQKVQDDTKTIKTIVTRINDISHTQSVSSKQK]

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

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

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