

Product Information

LEP (mouse), Purity ≥98%

Cat. No.: X24-09-YM1303

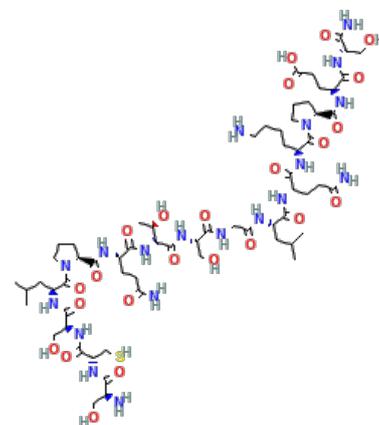
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 258276-95-8

Compound CID: 90471193

Synonym: 258276-95-8; Mouse leptin(116-130) amide;

(4S)-4-[[[(2S)-1-[(2S)-6-Amino-2-[[[(2S)-5-amino-2-[[[(2S)-2-[[2-[[[(2S)-2-[[[(2S,3R)-2-[[[(2S)-5-amino-2-[[[(2S)-1-[(2S)-2-[[[(2S)-2-[[[(2R)-2-[[[(2S)-2-amino-3-hydroxypropanoyl]amino]-3-sulfanylpropanoyl]amino]-3-hydroxypropanoyl]amino]-4-methylpentanoyl]pyrrolidine-2-carbonyl]amino]-5-oxopentanoyl]amino]-3-hydroxybutanoyl]amino]-3-hydroxypropanoyl]amino]acetyl]amino]-4-methylpentanoyl]amino]-5-oxopentanoyl]amino]hexanoyl]pyrrolidine-2-carbonyl]amino]-5-[[[(2S)-1-amino-3-hydroxy-1-oxopropan-2-yl]amino]-5-oxopentanoic acid



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	LEP (mouse) is an adipocyte-derived hormone. The molecular weight of the compound is 1560.73, and its molecular formula is C ₆₄ H ₁₀₉ N ₁₉ O ₂₄ S.
Molecular Weight	1560.73
Molecular Formula	C ₆₄ H ₁₀₉ N ₁₉ O ₂₄ S
IUPAC Name	(4S)-4-[[[(2S)-1-[(2S)-6-Amino-2-[[[(2S)-5-amino-2-[[[(2S)-2-[[2-[[[(2S)-2-[[[(2S,3R)-2-[[[(2S)-5-amino-2-[[[(2S)-1-[(2S)-2-[[[(2S)-2-[[[(2R)-2-[[[(2S)-2-amino-3-hydroxypropanoyl]amino]-3-sulfanylpropanoyl]amino]-3-hydroxypropanoyl]amino]-4-methylpentanoyl]pyrrolidine-2-carbonyl]amino]-5-oxopentanoyl]amino]-3-hydroxybutanoyl]amino]-3-hydroxypropanoyl]amino]acetyl]amino]-4-methylpentanoyl]amino]-5-oxopentanoyl]amino]hexanoyl]pyrrolidine-2-carbonyl]amino]-5-[[[(2S)-1-amino-3-hydroxy-1-oxopropan-2-yl]amino]-5-oxopentanoic acid
InChI	InChI=1S/C64H109N19O24S/c1-30(2)22-38(57(100)72-34(13-16-46(67)89)54(97)75-37(10-6-7-19-65)63(106)82-20-8-11-44(82)60(103)74-36(15-18-49(92)93)55(98)77-40(26-85)51(69)94)71-48(91)24-70-53(96)41(27-86)79-62(105)50(32(5)88)81-56(99)35(14-17-47(68)90)73-61(104)45-12-9-21-83(45)64(107)39(23-31(3)4)76-58(101)42(28-87)78-59(102)43(29-108)80-52(95)33(66)25-84/h30-45,50,84-88,108H,6-29,65-66H2,1-5H3,(H2,67,89)(H2,68,90)(H2,69,94)(H,70,96)(H,71,91)(H,72,100)(H,



73,104)(H,74,103)(H,75,97)(H,76,101)(H,77,98)(H,78,102)(H,79,105)(H,80,95)(H,81,99)(H,92,93)/t3
2-,33+,34+,35+,36+,37+,38+,39+,40+,41+,42+,43+,44+,45+,50+/m1/s1

InChI Key	YEHDWBRMEXDYLT-RDEOYNLOSA-N
Canonical SMILES	<chem>CC(C)CC(C(=O)NC(CCC(=O)N)C(=O)NC(CCCCN)C(=O)N1CCCC1C(=O)NC(CCC(=O)O)C(=O)NC(CO)C(=O)N)NC(=O)CNC(=O)C(CO)NC(=O)C(C(C)O)NC(=O)C(CCC(=O)N)NC(=O)C2CCCN2C(=O)C(CC(C)C)NC(=O)C(CO)NC(=O)C(CS)NC(=O)C(CO)N</chem>
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	LEP (mouse) can be studied extensively for its potential therapeutic applications in the treatment of obesity by modulating appetite regulation.
Storage	Store at -20°C, and keep desiccated.