

Product Name	: Livoletide
Synonyms	: AZP-531;AZP531
Cat No.	: M10338
CAS Number	: 1088543-62-7
Molecular Formula	: C40H63N15O13
Formula Weight	: 962.04
Chemical Name	: 3-((3S,6S,9S,12S,15S,18S,21S,26aS)-6-((1H-imidazol-4-yl)methyl)-9,18-bis(3-amino-3-oxopropyl)-12-(3-guanidinopropyl)-21-(hydroxymethyl)-15-isopropyl-1,4,7,10,13,16,19,22-octaazohexacosahydrypno[1,2-a][1,4,7,10,13,16,19,22]octaazacyclotetracosin-3-yl)propanoic acid
Description	: A first-in-class analogue of unacylated ghrelin, and unacylated ghrelin receptor agonist; exhibits the same pharmacological profile as UAG both in vitro and in vivo, independently of AG receptor binding; prevents HFD-induced proinflammatory effects, stimulates expression of mitochondrial function markers in brown adipose tissue, and prevents development of a prediabetic metabolic state; also prevents a HFD-induced increase in acyl ghrelin levels. Diabetes Phase 1 Clinical
Pathway	: GPCR/G Protein
Target	: GHSR
Receptor	: GHSR
Solubility	: DMSO : 100 mg/mL 103.95 mM;
SMILES	: <chem>O=C(O)CC[C@H](N1C(N[C@@H](CC2=CN=CN2)C(N[C@@H](CCC(N)=O)C(N[C@@H](CCNC(N)=N)C(N[C@@H](C(C)C)C(N[C@@H](CCC(N)=O)C(N[C@@H](CO)C(N3CCC[C@H]3[H])C1=O)=O)=O)=O)=O)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Julien M, et al. Eur J Pharm Sci. 2012 Nov 20;47(4):625-35. | 2. Delhanty PJ, et al. FASEB J. 2013 Apr;27(4):1690-700. | 3. Callaghan B, et al. Br J Pharmacol. 2014 Mar;171(5):1275-86. | 4. Allas S, et al. Diabetes Obes Metab. 2016 Sep;18(9):868-74.