

Data Sheet

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 Product Name
 : Livoletide

 Cat. No.
 : PC-61386

 CAS No.
 : 1088543-62-7

 Molecular Formula
 : C₄₀H₆₃N₁₅O₁₃

 Molecular Weight
 : 962.036

Target : Ghrelin Receptor (GHSR)

Solubility : 10 mM in DMSO

Biological Activity

Livoletide (AZP-531) is the first-in-class analogue of unacylated ghrelin, and unacylated **ghrelin receptor** (GHS-R) agonist. Livoletide (AZP-531) exhibits the same pharmacological profile as UAG both in vitro and in vivo, independently of AG receptor binding.

Livoletide (AZP-531) prevents HFD-induced proinflammatory effects, stimulates expression of mitochondrial function markers in brown adipose tissue, and prevents development of a prediabetic metabolic state. Livoletide (AZP-531) also prevents a HFD-induced increase in acyl ghrelin levels.

References

Julien M, et al. Eur J Pharm Sci. 2012 Nov 20;47(4):625-35.

Delhanty PJ, et al. FASEB J. 2013 Apr;27(4):1690-700.

Callaghan B, et al. Br J Pharmacol. 2014 Mar;171(5):1275-86.

Allas S, et al. Diabetes Obes Metab. 2016 Sep;18(9):868-74.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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