Product Data Sheet

Product Name: Cagrilintide
Cat. No.: GC72190

Chemical Properties

Cas. No.	1415456-99-3		
Formula	$C_{194}H_{312}N_{54}O_{59}S_2$	M.Wt	4409.01
Solubility		Storage	Store at -20°C,Sealed storage, away from moisture and light, under nitrogen
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			

{Eicosanedioic acid-γ-Glu}-KCNTATCATQRLAEFLRHSSNNFGPILPPTNVGSNTP-NH2
(Disulfide bridge:Cys3-Cys8)

Background

Product Data Sheet

Cagrilintide is an investigational novel long-acting acylated amylin analogue, acts as nonselective amylin receptors (AMYR) and calcitonin G protein-coupled receptor (CTR) agonist. Cagrilintide induces significant weight loss and reduces food intake. Cagrilintide has the potential for the research of obesity.

Cagrilintide (compound 23) (0.1, 1, 3, 10, 30 nmol/kg; s.c.) reduces food intake in the rat [2].
Cagrilintide (10 nmol/kg; i.v. or s.c.) shows good pharmacokinetic parameters [2].

References:
[1]. Fletcher MM, et al. AM833 Is a Novel Agonist of Calcitonin Family G Protein-Coupled Receptors: Pharmacological Comparison with Six Selective and Nonselective Agonists. J Pharmacol Exp Ther. 2021 Jun;377(3):417-440.
[2]. Kruse T, et al. Development of Cagrilintide, a Long-Acting Amylin Analogue. J Med Chem. 2021 Aug 12;64(15):11183-11194.
[3]. Dehestani B, et al. Amylin as a Future Obesity Treatment. J Obes Metab Syndr. 2021 Dec 30;30(4):320-325.

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