

Relamorelin acetate Biochemical

Relamorelin acetate

CATALOG #
AAA227918

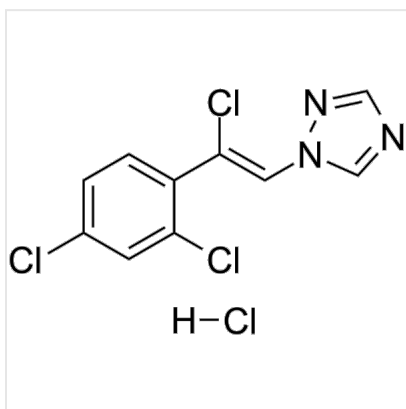
PRODUCT SYNONYMS

Relamorelin acetate; R 72063 hydrochloride; Relamorelin acetate biochemical

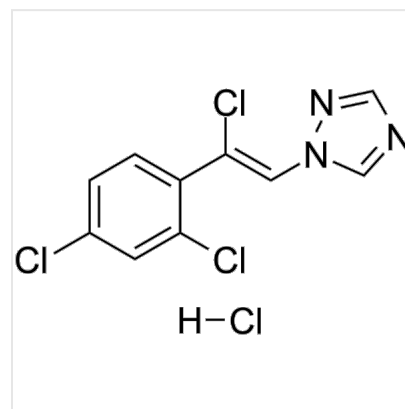
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	1809080-14-5
Targets&IC50	GHS-1a:0.42 nM (Ki)
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Relamorelin (RM-131; 50-500 nmol/kg/day; s.c.; continuous infusion for 5 days) acetate decreases the loss of body mass and fat mass. Relamorelin (500 nmol/kg/day; continuous infusion for 5 days) acetate increases the food intake and weight gain in rats[1]. RM-131 (250-500nmol/kg; a single s.c.) acetate stimulates acute food intake in wt but not growth hormone secretagogue receptor (GHR) ko mice[2]. Animal Model: F344/NTacBR male rats implanted with tumor[1]. Dosage: 50, 500 nmol/kg/day. Administration: SC; continuous infusion at a rate of 0.5 uL/h for 5 d. Result: Resulted in an increase in food intake (tumor/saline 41.4 g, tumor/BIM-28131 72.5 g) and weight gain (tumor/saline -10.3%, tumor/BIM-28131 +19.5%).
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Loreclezole hydrochloride, CAS 2227372-56-5



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ADDITIONAL INFORMATION

Related Product Information for Relamorelin acetate biochemical

Relamorelin (RM-131) acetate, a pentapeptide ghrelin analog, is a selective ghrelin/growth hormone secretagogue receptor (GHSR) agonist with a K_i of 0.42 nM for GHS-1a receptor. Relamorelin acetate is centrally penetrant. Relamorelin acetate increases growth hormone levels and accelerates gastric emptying. Relamorelin acetate has the potential for cachexia, gastroparesis, and gastric/intestinal dysmobility disorders research[4] [5].

References

1. Wingrove PB, et al. The modulatory action of loreclezole at the gamma-aminobutyric acid type A receptor is determined by a single amino acid in the beta 2 and beta 3 subunit. *Proc Natl Acad Sci U S A*. 1994 May 10;91(10):4569-73.
2. Sanna E, et al. Direct activation of GABAA receptors by loreclezole, an anticonvulsant drug with selectivity for the beta-subunit. *Neuropharmacology*. 1996;35(12):1753-60.
3. Green AR, et al. A behavioural and neurochemical study in rats of the pharmacology of loreclezole, a novel allosteric modulator of the GABAA receptor. *Neuropharmacology*. 1996;35(9-10):1243-50.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/relamorelin-acetate/227918>