

Product Data Sheet

Product Name: Secretin (rat)

Cat. No.: GC16381

Chemical Properties

Cas. No. 121028-49-7

[illegible]

Formula	C ₁₂₉ H ₂₁₆ N ₄₂ O ₄₂	M.Wt	3027.38
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Solubility	Soluble in Water	Storage	Desiccate at -20°C
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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.
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Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.
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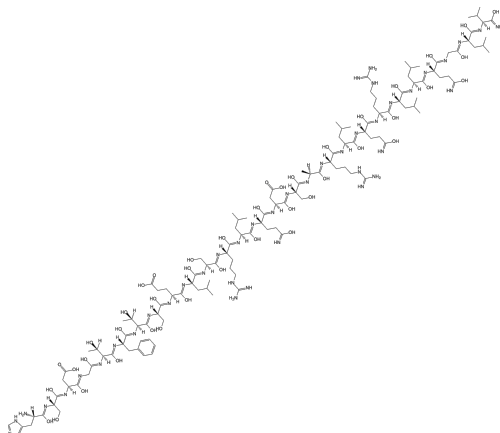
Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@qlpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Structure



Background

Secretin (33-59), rat is a 27-aa peptide, acts on secretin receptor, enhances the secretion of bicarbonate, enzymes, and K⁺ from the pancreas.

Secretin (33-59), rat inhibits adrenocorticotrophic hormone (ACTH) release, and selectively suppresses the glucocorticoid response to ACTH of dispersed zona fasciculata-reticularis (ZF/R) cells[1]. Secretin retrograde messenger to facilitate GABA transmission in the rat cerebellum[2].

References:

- [1]. Nussdorfer GG, et al. Secretin, glucagon, gastric inhibitory polypeptide, parathyroid hormone, and related peptides in the regulation of the hypothalamus- pituitary-adrenal axis. *Peptides*. 2000 Feb;21(2):309-24.
- [2]. Ng SS, et al. Secretin as a neuropeptide. *Mol Neurobiol*. 2002 Aug;26(1):97-107.

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