Product Data Sheet

Product Name: Secretin (rat)
Cat. No.: GC16381

Chemical Properties

Cas. No.	121028-49-7		
SMILES	CC(C[C@@](/N=C(O)/C/N=C(O)/[C@](/N=C(O)/[C@](/N=C(O)/[C@](/N=C(O)/[C@](/N=C(O)/[C@](/N=C(O)/[C@](/N=C(O)/[C@](/N=C(O)/[C@](/N=C(O)/[C@](/N=C(O)/[C@](/N=C(O)/[C@](/N=C(O)/[C@](/N=C(O)/[C@](/N=C(O)/[C@](/N=C(O)/[C@](/N		
Formula	$C_{129}H_{216}N_{42}O_{42}$	M.Wt	3027.38
Solubility	Soluble in Water	Storage	Desiccate at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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	Secretin (rat)		

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 adrenocorticotropic 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.

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