

Secretin (33-59), rat

Cat. No.:	HY-P1244
CAS No.:	121028-49-7
Molecular Formula:	C ₁₂₉ H ₂₁₆ N ₄₂ O ₄₂
Molecular Weight:	3027.35
Sequence:	His-Ser-Asp-Gly-Thr-Phe-Thr-Ser-Glu-Leu-Ser-Arg-Leu-Gln-Asp-Ser-Ala-Arg-Leu-Gln-Arg-Leu-Leu-Gln-Gly-Leu-Val-NH ₂
Sequence Shortening:	HSDGTFTSELSRLQDSARLQRLQLGLV-NH ₂
Target:	Secretin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Secretin (33-59), rat is a 27-aa peptide, acts on secretin receptor, enhances the secretion of bicarbonate, enzymes, and K ⁺ from the pancreas.
IC ₅₀ & Target	Secretin receptor ^[2]
In Vitro	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] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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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