



LKT Laboratories, Inc.

Secretin Acetate

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Product Information

Product ID S1604

CAS No. 10813-74-8

Chemical Name

Synonym Secretin Acetate, porcine

Formula $C_{130}H_{220}N_{44}O_{41}$

Formula Wt. 3055.41

Melting Point

Purity $\geq 95\%$

Solubility

H-His-Ser-Asp-Gly-Thr-Phe-Thr-Ser-Glu-Leu-Ser-Arg-Leu-Arg-Asp-Ser-Ala-Arg-Leu-Gln-Arg-Leu-Leu-Gln-Gly-Leu-Val-NH₂

Pricing and Availability

Bulk quantities available upon request

| Product ID | Size | List Price |
|------------|------|------------|
| S1604 | 1 mg | \$125.00 |
| S1604 | 5 mg | \$275.00 |

Store Temp -20°C

Ship Temp Ambient

Description Secretin is an endogenous peptide hormone involved in digestion and feeding behavior; it binds to its own GPCR secretin receptor. In adipocytes, secretin stimulates lipolysis, mediated by PKA and hormone-sensitive lipase (HSL) signaling; it also induces uptake of fatty acids and secretion of MCP-1 and adiponectin. Secretin enhances ambulation distance but not exploratory activity in animal models of repetitive hyperactivity. Additionally, secretin increases expression of tyrosine hydroxylase, stimulating catecholamine secretion in PC12 neurons.

References Sekar R, Chow BK. Lipolytic actions of secretin in mouse adipocytes. *J Lipid Res.* 2014 Feb;55(2):190-200. PMID: 24273196.

Miegueu P, Cianflone K, Richard D, et al. Effect of secretin on preadipocyte, differentiating and mature adipocyte functions. *Int J Obes (Lond).* 2013 Mar;37(3):366-74. PMID: 22565418.

Heinzlmann A, Kiss G, Tóth ZE, et al. Intranasal application of secretin, similarly to intracerebroventricular administration, influences the motor behavior of mice probably through specific receptors. *J Mol Neurosci.* 2012 Nov;48(3):558-64. PMID: 22752505.

Mahata M, Zhang K, Gayen JR, et al. Catecholamine biosynthesis and secretion: physiological and pharmacological effects of secretin. *Cell Tissue Res.* 2011 Jul;345(1):87-102. PMID: 21597914.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.