



LKT Laboratories, Inc.

Secretin, pig

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Product Information

Product ID S1606

CAS No. 17034-35-4

Chemical Name

Synonym SecreFlo

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

Formula Wt. 3055.4

Melting Point

Purity $\geq 95\%$

Solubility Soluble in water or saline.

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description

Secretin is an endogenous peptide hormone involved in digestion and feeding behavior; it binds to its own GPCR secretin receptor (SCTR). 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.

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

Bulk quantities available upon request

Product ID	Size
S1606	5 mg
S1606	10 mg
S1606	25 mg

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

Mieglue 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.