Product Data Sheet

Product Name: Secretin (human) (trifluoroacetate salt)
Cat. No.: GC44881

Chemical Properties

Cas. No.			
Formula	C130H220N44O40•XCF3COOH	M.Wt	3039.4
Solubility	Water: 1 mg/ml	Storage	Store at -20°C
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.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure	H–His–Ser–Asp–Gly–Thr–Phe–Thr–Ser–Glu–Leu–Ser–Arg–Leu–Arg–Glu–Gly–Ala–Arg–Leu–Gln–Arg–Leu–Leu–Gln–Gly–Leu–Val–NH_2 • XCF_3COOH		

Background

Secretin is an endogenous 27-amino acid gastrointestinal hormone and neuropeptide that regulates secretion from the stomach, pancreas, and liver. It belongs to the secretin/glucagon superfamily of peptides, which includes glucagon , glucagon-like peptide-1 , GLP-2 , and pituitary adenylate cyclase-activating polypeptide . Secretin dose-dependently increases somatostatin release from primary human antral cells in vitro. In vivo, secretin dose-dependently increases the volume of pancreatic secretion as well as inhibits gastric acid secretion induced by gastrin I in rats when administered at a dose of 100 pmol/kg per h. Secretin (40 µg/kg, i.v.) increases the number of neurons expressing c-fos in the central amygdala and area postrema in rats.

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