Secretin (rat) is supplied as a lyophilized powder. A stock solution may be made by dissolving the secretin (rat) in water. The solubility of secretin (rat) in water is approximately 1 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

Secretin is a neuropeptide hormone that regulates secretion from the stomach, pancreas, and liver.\(^1,2\) It binds to the rat secretin receptor (SCT-R; \(K_i = 3.3\) nM) and increases intracellular cAMP (EC\(_{50}\) = 1 nM) in COS cells expressing rat SCT-R.\(^3\) It also increases SCT-R phosphorylation 7.2-fold at a concentration of 0.1 \(\mu\)M. Secretin dose-dependently increases the volume of pancreatic secretion and inhibits gastric acid secretion induced by gastrin I (Item No. 24457) in rats when administered at a dose of 100 pmol/kg per hour.\(^4\)

References