

Secretin (33-59), rat TFA

Cat. No.:	HY-P1244A
Molecular Formula:	C ₁₃₁ H ₂₁₇ F ₃ N ₄₂ O ₄₄
Molecular Weight:	3141.37
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 <small>HSDGFTSELSRLQDSARLQRLQLGLV-NH₂ (TFA salt)</small>
Sequence Shortening:	HSDGFTSELSRLQDSARLQRLQLGLV-NH ₂
Target:	Secretin Receptor
Pathway:	GPCR/G Protein
Storage:	Sealed storage, away from moisture and light Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

SOLVENT & SOLUBILITY

In Vitro

H₂O : 50 mg/mL (15.92 mM; Need ultrasonic)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.3183 mL	1.5917 mL	3.1833 mL
	5 mM	0.0637 mL	0.3183 mL	0.6367 mL
	10 mM	0.0318 mL	0.1592 mL	0.3183 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	Secretin (33-59), rat (TFA) is a 27-aa peptide, which acts on secretin receptor, and enhances the secretion of bicarbonate, enzymes, and K ⁺ from the pancreas ^{[1][2]} .
IC₅₀ & Target	Secretin receptor ^[2]

REFERENCES

[1]. [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.

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

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