

Secretin (28-54), human TFA

Cat. No.:	HY-P1465A
Molecular Formula:	C ₁₃₂ H ₂₂₁ N ₄₄ F ₃ O ₄₂
Molecular Weight:	3153.48
Sequence:	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 <small>HSDGTFTSELSRLREGARLQRLQLGLV-NH₂ (TFA salt)</small>
Sequence Shortening:	HSDGTFTSELSRLREGARLQRLQLGLV-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	H ₂ O : 25 mg/mL (7.93 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div>Solvent Concentration</div>	Mass	1 mg	5 mg	10 mg
		1 mM	0.3171 mL	1.5855 mL	3.1711 mL	
		5 mM	0.0634 mL	0.3171 mL	0.6342 mL	
		10 mM	---	---	---	
Please refer to the solubility information to select the appropriate solvent.						

BIOLOGICAL ACTIVITY

Description	Secretin (28-54), human TFA is a 27-amino acid residue C-terminally amidated peptide, which acts on human secretin receptors ^[1] .
In Vitro	Secretin is a hormone produced and secreted from the endocrine S cells in response to the gastric acid and lipid components. Secretin potentiates enzyme secretion from the acinar cell. Secretin is also a putative mitogen to promote pancreatic growth. In the stomach and gall bladder, Secretin inhibits gastric emptying and acid release and stimulates biliary output of water and bicarbonate. Secretin elicits its biological effects by interacting with specific cell surface receptors ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Pang RT, et al. Role of N-linked glycosylation on the function and expression of the human secretin receptor. *Endocrinology*. 1999 Nov;140(11):5102-11.

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

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