

Peptide YY (PYY) (3-36), porcine TFA

Cat. No.:	HY-P1021A
Molecular Formula:	$C_{176}H_{272}N_{52}O_{54} \cdot C_2HF_3O_2$
Molecular Weight:	4094.44
Sequence:	Ala-Lys-Pro-Glu-Ala-Pro-Gly-Glu-Asp-Ala-Ser-Pro-Glu-Glu-Leu-Ser-Arg-Tyr-Tyr-Ala-Ser-Leu-Arg-His-Tyr-Leu-Asn-Leu-Val-Thr-Arg-Gln-Arg-Tyr AKPEAPGEDASPEELSRYYASLRHYLNLVTRQRY-NH₂ (TFA salt)
Sequence Shortening:	AKPEAPGEDASPEELSRYYASLRHYLNLVTRQRY-NH ₂
Target:	Neuropeptide Y Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Sealed storage, away from moisture Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (24.42 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	0.2442 mL	1.2212 mL	2.4423 mL	
		5 mM	0.0488 mL	0.2442 mL	0.4885 mL	
	10 mM	0.0244 mL	0.1221 mL	0.2442 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (12.21 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	Peptide YY (PYY) (3-36), porcine TFA is a gut hormone peptide that acts as a Y2 receptor agonist to reduce appetite ^[1] .
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CUSTOMER VALIDATION

- J Pharm Biomed Anal. 2022: 115156.
- J Pharm Biomed Anal. 11 December 2021, 114518.

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REFERENCES

[1]. Addison ML, et al. A role for metalloendopeptidases in the breakdown of the gut hormone, PYY 3-36. Endocrinology. 2011 Dec;152(12):4630-40.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA