

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

<b>Cat. No.:</b>	HY-P1021A
<b>Molecular Formula:</b>	C <sub>176</sub> H <sub>272</sub> N <sub>52</sub> O <sub>54</sub> ·C <sub>2</sub> HF <sub>3</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	4094.44
<b>Sequence:</b>	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 <small>AKPEAPGEDASPEELSRYYASLRHYLNLVTRQRY-NH<sub>2</sub> (TFA salt)</small>
<b>Sequence Shortening:</b>	AKPEAPGEDASPEELSRYYASLRHYLNLVTRQRY-NH <sub>2</sub>
<b>Target:</b>	Neuropeptide Y Receptor
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling
<b>Storage:</b>	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

<b>In Vitro</b>	DMSO : 100 mg/mL (24.42 mM; Need ultrasonic)																					
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	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>0.2442 mL</td> <td>1.2212 mL</td> <td>2.4423 mL</td> </tr> <tr> <td>5 mM</td> <td>0.0488 mL</td> <td>0.2442 mL</td> <td>0.4885 mL</td> </tr> <tr> <td>10 mM</td> <td>0.0244 mL</td> <td>0.1221 mL</td> <td>0.2442 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	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
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Please refer to the solubility information to select the appropriate solvent.																						
<b>In Vivo</b>	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (12.21 mM); Clear solution; Need ultrasonic																					

### BIOLOGICAL ACTIVITY

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

- J Headache Pain. 2023 May 25;24(1):61.
- J Pharm Biomed Anal. 2022: 115156.

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- J Pharm Biomed Anal. 11 December 2021, 114518.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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[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.

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

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