

(Leu31,Pro34)-Peptide YY (human) (TFA)

Cat. No.:	HY-P3877A
Molecular Formula:	$C_{195}H_{296}N_{54}O_{56} \cdot xC_2HF_3O_2$
Sequence:	Tyr-Pro-Ile-Lys-Pro-Glu-Ala-Pro-Gly-Glu-Asp-Ala-Ser-Pro-Glu-Glu-Leu-Asn-Arg-Tyr-Tyr -Ala-Ser-Leu-Arg-His-Tyr-Leu-Asn-Leu-Leu-Thr-Arg-Pro-Arg-Tyr-NH2
Sequence Shortening:	YPIKPEAPGEDASPEELNRYASYLRHYLNLLTRPRY-NH2 <small>YPIKPEAPGEDASPEELNRYASYLRHYLNLLTRPRY-NH₂ (TFA salt)</small>
Target:	Neuropeptide Y Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Sealed storage, away from moisture and light, under nitrogen 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, under nitrogen)

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (Need ultrasonic)
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BIOLOGICAL ACTIVITY

Description (Leu31,Pro34)-Peptide YY (human) (TFA) is the TFA form of (Leu31,Pro34)-Peptide YY (human) (HY-P3877). (Leu31,Pro34)-Peptide YY (human) (TFA) is a Peptide YY (HY-P1514) derivative and is a potent and selective Y₁ agonist with a K_D of 1.0 nM^[1].

IC₅₀ & Target	NPY Y ₁ receptor	NPY Y ₂ receptor
	1 nM (Kd)	670 nM (Kd)

REFERENCES

[1]. Dumont Y, et al. Peptide YY derivatives as selective neuropeptide Y/peptide YY Y1 and Y2 agonists devoided of activity for the Y3 receptor sub-type. Brain Res Mol Brain Res. 1994 Oct;26(1-2):320-4.

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

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