

## (Pro34)-Peptide YY (human)

Cat. No.:	HY-P3876
CAS No.:	179986-93-7
Molecular Formula:	C <sub>194</sub> H <sub>294</sub> N <sub>54</sub> O <sub>56</sub>
Molecular Weight:	4278.73
Sequence Shortening:	YPIKPEAPGEDASPEELNRYASLRHYLNLVTRPRY-NH2
Target:	Neuropeptide Y Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	(Pro34)-Peptide YY (human) is a highly Y <sub>1</sub> -selective full agonist of <a href="#">Peptide YY</a> (HY-P1514)/neuropeptide Y receptors <sup>[1]</sup> .
IC <sub>50</sub> & Target	NPY Y <sub>1</sub> receptor
In Vitro	(Pro34)-Peptide YY (human) competes for all specific [ <sup>125</sup> I]neuropeptide Y binding sites in intact SK-N-MC and HEL cells (Y1-like subtype) and in porcine splenic membranes (Y2-like subtype) with steep and monophasic curves. The affinity of (Pro34)-Peptide YY in intact SK-N-MC and HEL cells (pK <sub>i</sub> 7.8 ± 0.2 and pK <sub>i</sub> 8.2 ± 0.1, respectively) is quite similar to that of Peptide YY (pK <sub>i</sub> 8.5 ± 0.1 and pK <sub>i</sub> 8.6 ± 0.1, respectively) <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Grandt D, et al. [Pro34]peptide YY is a Y<sub>1</sub>-selective agonist at peptide YY/neuropeptide Y receptors. Eur J Pharmacol. 1994 Oct 14;269(2):127-32.

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

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