

## Peptide YY (human) (trifluoroacetate salt)

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from moisture  
Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Peptide YY (PYY) is a 36-amino acid peptide and anorectic gut hormone agonist for the neuropeptide Y receptors Y1, Y2, Y5, and Y6 with EC50 values of 0.7, 0.58, 1, and 0.8 nM, respectively, for suppression of forskolin-induced cAMP accumulation. PYY is cleaved in vivo to PYY (3-36). Release of PYY occurs postprandially in proportion to calorie intake from intestinal enteroendocrine L cells, indicating it may be a satiety signal. In humans, PYY inhibits food intake and gastrointestinal transit in both lean and obese subjects.
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## Solubility Information

Solubility	H2O: 1 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Reference

- Gerald, C., Walker, M.W., Criscione, L., et al. A receptor subtype involved in neuropeptide-Y-induced food intake. *Nature* 382(6587), 168-171 (1996).
- Mullins, D.E., Guzzi, M., Xia, L., et al. Pharmacological characterization of the cloned neuropeptide Y y6 receptor. *Eur. J. Pharmacol.* 395(2), 87-93 (2000).
- Holzer, P., Reichmann, F., and Farzi, A. Neuropeptide Y, peptide YY and pancreatic polypeptide in the gut-brain axis. *Neuropeptides* 46(6), 261-274 (2012).

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