

Peptide YY (human) (trifluoroacetate salt)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Appearance: no data available

Storage: keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

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 (< 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).

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481