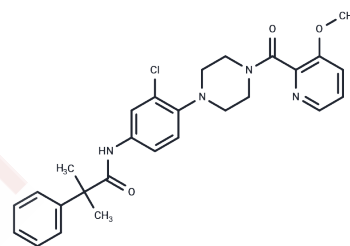


Y2 Antagonist 36

Chemical Properties

CAS No. : 1185845-15-1
 Formula: C₂₇H₂₉ClN₄O₃
 Molecular Weight: 493
 Storage: 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	Y2 Antagonist 36 is a highly potent, soluble and selective antagonist of NPY Y2.
Targets(IC50)	Others, Neuropeptide Y Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0284 mL	10.142 mL	20.284 mL
5 mM	0.4057 mL	2.0284 mL	4.0568 mL
10 mM	0.2028 mL	1.0142 mL	2.0284 mL
50 mM	0.0406 mL	0.2028 mL	0.4057 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Domingues MF, de Assis DR, Piovesan AR, Belo CAD, da Costa JC. Peptide YY (3-36) modulates intracellular calcium through activation of the phosphatidylinositol pathway in hippocampal neurons. *Neuropeptides*. 2017 Nov 7. pii: S0143-4179(16)30200-1. doi: 10.1016/j.npep.2017.11.003. [Epub ahead of print] PubMed PMID: 29157865.
- Kojima SI, Kojima K, Fujita T. Investigation of 5-HT(3) receptor-triggered serotonin release from guinea-pig isolated colonic mucosa: a role of PYY-containing endocrine cell. *Eur J Pharmacol*. 2017 Mar 15;799:196-200. doi: 10.1016/j.ejphar.2017.02.011. Epub 2017 Feb 9. PubMed PMID: 28189582.
- Hassan AM, Jain P, Mayerhofer R, Fröhlich EE, Farzi A, Reichmann F, Herzog H, Holzer P. Visceral hyperalgesia caused by peptide YY deletion and Y2 receptor antagonism. *Sci Rep*. 2017 Jan 20;7:40968. doi: 10.1038/srep40968. PubMed PMID: 28106168; PubMed Central PMCID: PMC5247702.
- Alhadeff AL, Golub D, Hayes MR, Grill HJ. Peptide YY signaling in the lateral parabrachial nucleus increases food intake through the Y1 receptor. *Am J Physiol Endocrinol Metab*. 2015 Oct 15;309(8):E759-66. doi: 10.1152/ajpendo.00346.2015. Epub 2015 Sep 1. PubMed PMID: 26330345; PubMed Central PMCID: PMC4609877.

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