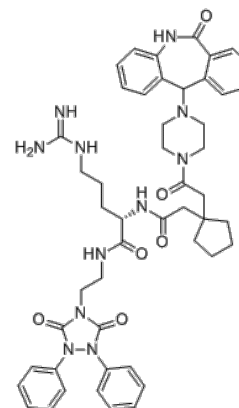


Product Name : BIIE0246
Cat. No. : PC-38252
CAS No. : 246146-55-4
Molecular Formula : C₄₉H₅₇N₁₁O₆
Molecular Weight : 896.066
Target : Neuropeptide Y Receptor
Solubility : 10 mM in DMSO



Biological Activity

BIIE0246 (BIIE 0246) is a potent, highly selective non-peptide **neuropeptide Y Y2 receptor (NPY2R)** antagonist with IC₅₀ of 15 nM, >650-fold selectivity over Y1, Y4 and Y5 receptors.

BIIE0246 (1 μM) completely blocked the contraction induced by PYY(3-36), but not that of [Leu(31), Pro(34)]NPY (a Y(1), Y(4) and Y(5) agonist) and hPP (a Y(4) and Y(5) agonist).

BIIE0246 displaced [¹²⁵I]neuropeptide Y with high affinity (IC₅₀)=3.3 nM) from the human neuropeptide Y Y(2) receptor and proved to be highly selective.

References

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Malmström RE. *Br J Pharmacol.* 2001 Aug;133(7):1073-80.

Goumain M, et al. *Mol Pharmacol.* 2001 Jul;60(1):124-34.

Smith-White MA, et al. *Br J Pharmacol.* 2001 Feb;132(4):861-8.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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