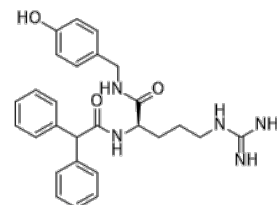


Product Name : BIBP3226
Cat. No. : PC-27938
CAS No. : 159013-54-4
Molecular Formula : C₂₇H₃₁N₅O₃
Molecular Weight : 473.58
Target : Neuropeptide Y Receptor
Solubility : 10 mM in DMSO



CAS: 159013-54-4

Biological Activity

BIBP3226 (BIBP 3226) is a highly potent and selective non-peptide neuropeptide Y Y1 receptor (**NPY1R**) antagonist with K_i of 7 nM.

BIBP3226 potently blocks (pA₂ = 7.36) the contractile effect of neuropeptide Y in the rabbit saphenous vein, a Y1 receptor bioassay and demonstrated nM affinity for Y1/[125I][Leu31,Pro34]peptide YY binding sites.

BIBP3226 (BIBP 3226) does not significantly compete for Y2/[125I]peptide YY-(3-36) binding sites in rat and human brain homogenates.

BIBP3226 (BIBP 3226) antagonizes the NPY Y1 receptor-mediated decrease in the twitch response in the rabbit vas deferens preparation with a pK_b value of 6.98.

BIBP3226 (BIBP 3226) inhibits NPY-induced increase in blood pressure in the pithed rat.

References

Jacques D, et al. *Eur J Pharmacol.* 1995 May 4;278(1):R3-5.

Rudolf K, et al. *Eur J Pharmacol.* 1994 Dec 27;271(2-3):R11-3.

Mollereau C, et al. *Br J Pharmacol.* 2001 May;133(1):1-4.

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

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