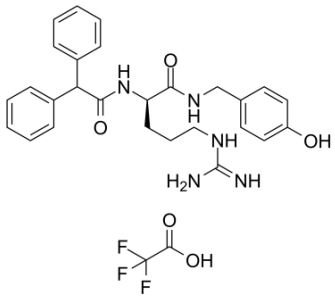
BIBP3226 TFA

Cat. No.:	HY-107726
CAS No.:	1068148-47-9
Molecular Formula:	$C_{29}H_{32}F_3N_5O_5$
Molecular Weight:	587.59
Target:	Neuropeptide Y Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BIBP3226 TFA is a potent and selective neuropeptide Y Y1 (NPY Y1) and neuropeptide FF (NPFF) receptor antagonist, with K_is of 1.1, 79, and 108 nM for rNPY Y1, hNPFF2, and rNPFF, respectively. BIBP3226 TFA displays anxiogenic-like effect[1][2].
In Vivo	BIBP3226 (0.5, 5μg; i.c.v.) induces an anxiogenic-like effect at the higher dose[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Male Wistar rats 270-350 g[1]
Dosage:	0.5, 5μg
Administration:	I.c.v
Result:	At the dose of 5μg caused an anxiogenic-like effect while the lower dose was ineffective.

REFERENCES

[1]. Mollereau C, et al. Agonist and antagonist activities on human NPFF(2) receptors of the NPY ligands GR231118 and BIBP3226. Br J Pharmacol. 2001 May;133(1):1-4.

[2]. Kask A, et al. Anxiogenic-like effect of the neuropeptide Y Y1 receptor antagonist BIBP3226: antagonism with diazepam. Eur J Pharmacol. 1996 Dec 19;317(2-3):R3-4.

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