

## BWX 46

Cat. No.:	HY-P1325
CAS No.:	172997-92-1
Molecular Formula:	C <sub>116</sub> H <sub>186</sub> N <sub>36</sub> O <sub>28</sub> S <sub>2</sub>
Molecular Weight:	2597.07
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	BWX 46 (((Cys31, Nva 34)-Neuropeptide Y (27-36)) <sub>2</sub> ) is a selective Y <sub>5</sub> receptor agonist with an IC <sub>50</sub> value of 0.85 nM. BWX 46 can inhibit the synthesis of cAMP in Y <sub>5</sub> cells <sup>[1]</sup> .			
IC <sub>50</sub> & Target	NPY Y <sub>5</sub> receptor 0.85 nM (IC <sub>50</sub> )	NPY Y <sub>1</sub> receptor 42 nM	NPY Y <sub>2</sub> receptor 3015 nM	NPY Y <sub>4</sub> receptor 245 nM

### REFERENCES

[1]. Balasubramaniam A, et al. Bis(31/31')[[Cys(31), Nva(34)]NPY(27-36)-NH(2)]: a neuropeptide Y (NPY) Y(5) receptor selective agonist with a latent stimulatory effect on food intake in rats. Peptides. 2002;23(8):1485-1490.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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