

GR231118

Cat. No.:	HY-P1321
CAS No.:	158859-98-4
Molecular Formula:	C ₁₁₀ H ₁₇₀ N ₃₄ O ₂₄
Molecular Weight:	2352.74
Sequence Shortening:	Sequence 1:IEP-{Dpr}-YRLRY-NH ₂ ;Sequence 1':IEP-{Dpr}-YRLRY-NH ₂ (Amide bridge:Glu ₂ -Dpr ₄ ';Dpr ₄ -Glu ₂ ')
Target:	Neuropeptide Y Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the COA.

BIOLOGICAL ACTIVITY

Description

GR231118, an analogue of the C-terminus of neuropeptide Y, is a potent , competitive and relative seletive antagonist at human **neuropeptide Y Y receptor** with a **pK_i** of 10.4. GR231118 a potent agonist at the human neuropeptide Y Y4 receptor (**pEC₅₀**=8.6; **pK_i**=9.6) and a weak agonist at the human and rat neuropeptide YY2 and Y5 receptors. GR231118 also has high affinity for the mouse neuropeptide Y Y6 receptor (**pK_i**= 8.8)^[1].

REFERENCES

[1]. E M Parker, et al. GR231118 (1229U91) and other analogues of the C-terminus of neuropeptide Y are potent neuropeptide Y Y1 receptor antagonists and neuropeptide Y Y4 receptor agonists. Eur J Pharmacol

[2]. Y Dumont, et al. [(125)I]-GR231118: a high affinity radioligand to investigate neuropeptide Y Y(1) and Y(4) receptors. Br J Pharmacol. 2000 Jan;129(1):37-46.

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

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