

PG106

Cat. No.:	HY-P1209
CAS No.:	944111-22-2
Molecular Formula:	C ₅₁ H ₆₉ N ₁₃ O ₉
Molecular Weight:	1008.18
Sequence Shortening:	Ac-{Nle}-D-{Bal}-{D-Nal}-RWK-NH ₂ (Lactam bridge:Asp2-Lys7)
Target:	Melanocortin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	PG106 is a potent and selective human melanocortin 3 (hMC3) receptor antagonist (IC ₅₀ =210 nM) and has noactivity at hMC4 receptors (EC ₅₀ =9900 nM) and hMC5 receptor ^[1] .
IC₅₀ & Target	IC ₅₀ : 210 nM (hMC3 receptor) EC ₅₀ : 9900 nM (hMC4 receptor) ^[1]

REFERENCES

[1]. Paolo Grieco, et al. Further structure-activity studies of lactam derivatives of MT-II and SHU-9119: their activity and selectivity at human melanocortin receptors 3, 4, and 5. Peptides

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

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