

[MePhe7]-Neurokinin B

Cat. No.:	HY-P3862
CAS No.:	110880-53-0
Molecular Formula:	C ₆₀ H ₈₁ N ₁₃ O ₁₄ S ₂
Molecular Weight:	1272.49
Sequence:	Asp-Met-His-Asp-Phe-Phe-{MePhe}-Gly-Leu-Met-NH ₂
Sequence Shortening:	DMHDFE-{MePhe}-GLM-NH ₂
Target:	Neurokinin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	[MePhe7]-Neurokinin B is an neurokinin NK-3 receptor (NK3R) agonist with an IC ₅₀ value of 3 nM. [MePhe7]-Neurokinin B is a potential regulator of pulsatile gonadotropin-releasing hormone (GnRH) secretion via activation of the neurokinin-3 receptor (NK3R) ^[1] .
IC ₅₀ & Target	NK3 3 nM (IC ₅₀)

REFERENCES

[1]. Misu R, et, al. Structure-activity relationship study of tachykinin peptides for the development of novel neurokinin-3 receptor selective agonists. Bioorg Med Chem. 2013 Apr 15;21(8):2413-2417.

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

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