

His-D-beta-Nal-Ala-Trp-D-Phe-Lys-NH2 TFA

Cat. No.:	HY-P5189A
Molecular Formula:	$C_{50}H_{58}F_3N_{11}O_8$
Molecular Weight:	998.06
Sequence:	H-[D-beta-Nal]-AW-[D-Phe]-K-NH2
Sequence Shortening:	His-[D-beta-Nal]-Ala-Trp-[D-Phe]-Lys-NH2
Target:	Endogenous Metabolite; Cholinesterase (ChE)
Pathway:	Metabolic Enzyme/Protease; Neuronal Signaling
Storage:	Sealed storage, away from moisture and light, under nitrogen Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

BIOLOGICAL ACTIVITY

Description

His-D-beta-Nal-Ala-Trp-D-Phe-Lys-NH2 TFA, is a growth hormone releasing peptide, as well as a metabolite of GHRP-1. GHRP-1, or Ala-His-D-beta Nal-Ala-Trp-D-Phe-Lys-NH2, has the effect of promoting the release of growth hormone (GH). GHRP-1 increases GH release and increases $[Ca^{2+}]_i$ levels in static monolayer cells of rat pituitary gland, but does not affect cAMP levels^[1].

REFERENCES

[1]. Akman MS, et al. Mechanisms of action of a second generation growth hormone-releasing peptide (Ala-His-D-beta Nal-Ala-Trp-D-Phe-Lys-NH2) in rat anterior pituitary cells. *Endocrinology*. 1993 Mar;132(3):1286-91.

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

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