



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Kisspeptin 13 TFA

Cat. No.:	HY-P3641A
Molecular Formula:	C <sub>78</sub> H <sub>107</sub> N <sub>21</sub> O <sub>18</sub> .xC <sub>2</sub> HF <sub>3</sub> O <sub>2</sub>
Sequence:	Leu-Pro-Asn-Tyr-Asn-Trp-Asn-Ser-Phe-Gly-Leu-Arg-Phe-NH <sub>2</sub>
Sequence Shortening:	LPNYNWNSFGLRF-NH <sub>2</sub> LPNYNWNSFGLRF-NH <sub>2</sub> (TFA salt)
Target:	GnRH Receptor
Pathway:	GPCR/G Protein
Storage:	Sealed storage, away from moisture Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### SOLVENT & SOLUBILITY

In Vitro	H <sub>2</sub> O : 25 mg/mL (Need ultrasonic)
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### BIOLOGICAL ACTIVITY

Description	Kisspeptin 13 TFA is the TFA salt form of Kisspeptin 13 (HY-P3641). Kisspeptin-13 TFA inhibits glucose-induced insulin secretion with an IC <sub>50</sub> of 1.2 nM. Kisspeptin 13 TFA activates the hypothalamic-pituitary-adrenal (HPA) axis, causes hyperthermia, motor behavior and anxiety in rats. Kisspeptin 13 TFA interacts with α <sub>2</sub> -adrenergic and 5-HT <sub>2</sub> serotonin receptors, exhibits antidepressant efficacy. Kisspeptin 13 TFA is an activator for GPR54 and GnRH receptor, which enhances memory and can be used in Alzheimer's disease research <sup>[1][2][3][4]</sup> .
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### REFERENCES

- [1]. Jiang JH, et al. Kisspeptin-13 enhances memory and mitigates memory impairment induced by Aβ<sub>1-42</sub> in mice novel object and object location recognition tasks. *Neurobiol Learn Mem.* 2015 Sep;123:187-95.
- [2]. Silvestre RA, et al., Kisspeptin-13 inhibits insulin secretion without affecting glucagon or somatostatin release: study in the perfused rat pancreas. *J Endocrinol.* 2008 Feb;196(2):283-90.
- [3]. Csabafi K, et al., Effects of kisspeptin-13 on the hypothalamic-pituitary-adrenal axis, thermoregulation, anxiety and locomotor activity in rats. *Behav Brain Res.* 2013 Mar 15;241:56-61.
- [4]. Tanaka M, et al., Neurotransmissions of antidepressant-like effects of kisspeptin-13. *Regul Pept.* 2013 Jan 10;180:1-4.

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

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