



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Neuromedin U-25 (human)

Cat. No.:	HY-P2378
CAS No.:	312306-89-1
Molecular Formula:	C <sub>141</sub> H <sub>203</sub> N <sub>41</sub> O <sub>38</sub>
Molecular Weight:	3080.37
Sequence:	Phe-Arg-Val-Asp-Glu-Glu-Phe-Gln-Ser-Pro-Phe-Ala-Ser-Gln-Ser-Arg-Gly-Tyr-Phe-Leu-Phe-Arg-Pro-Arg-Asn-NH <sub>2</sub>
Sequence Shortening:	FRVDEEFQSPFASQSRGYFLFRPRN-NH <sub>2</sub>
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	Neuromedin U-25 human is the active form of neuromedin U in human. Neuromedin U-25 human inhibits glucose-stimulated insulin secretion, which leads to early-onset obesity. Neuromedin U-25 serves as vasoconstrictor in human vascular beds <sup>[1][2]</sup> .
In Vitro	Neuromedin U-25 human (4 pM-2 nM) binds to receptors in human left ventricle and coronary artery with K <sub>D</sub> s of 0.26 and 0.11 nM, respectively <sup>[1]</sup> . Neuromedin U-25 human (0.1 nM-0.1 μM) constricts coronary artery, mammary artery and saphenous vein endothelium-independently, with potency pD <sub>2</sub> s of 8.6, 8.0 and 8.2, respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Mitchell JD, et al., Expression and vasoconstrictor function of anorexigenic peptides neuromedin U-25 and S in the human cardiovascular system. Cardiovasc Res. 2009 Feb 1;81(2):353-61.

[2]. Alfa RW, et al., Suppression of insulin production and secretion by a decretin hormone. Cell Metab. 2015 Feb 3;21(2):323-334.

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

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