

## (Des-Bromo)-Neuropeptide B (1-23) (human)

Cat. No.:	HY-P4414
CAS No.:	434897-64-0
Molecular Formula:	C <sub>107</sub> H <sub>162</sub> N <sub>30</sub> O <sub>30</sub>
Molecular Weight:	2348.61
Sequence:	Trp-Tyr-Lys-Pro-Ala-Ala-Gly-His-Ser-Ser-Tyr-Ser-Val-Gly-Arg-Ala-Ala-Gly-Leu-Leu-Ser-Gly-Leu
Sequence Shortening:	WYKPAAGHSSYSVGRAAGLLSGL
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	(Des-Bromo)-Neuropeptide B (1-23) (human) is an orphan G-protein coupled receptor agonist with K <sub>s</sub> of 1.2 nM and 341 nM for GPR7 (NPBW1) and GPR8 (NPBW2), respectively <sup>[1]</sup> .
IC <sub>50</sub> & Target	Ki: 1.2 nM (GPR7), 341 nM (GPR8) <sup>[1]</sup>

### REFERENCES

[1]. Kanesaka M, et al. Development of a potent and selective GPR7 (NPBW1) agonist: a systematic structure-activity study of neuropeptide B. J Pept Sci. 2007 Jun;13(6):379-85.

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

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