

## Nocistatin(human) TFA

Cat. No.:	HY-P1020A
Molecular Formula:	C <sub>149</sub> H <sub>238</sub> N <sub>42</sub> O <sub>53</sub> S <sub>3</sub> ·C <sub>2</sub> HF <sub>3</sub> O <sub>2</sub>
Molecular Weight:	3675.95
Sequence:	Met-Pro-Arg-Val-Arg-Ser-Leu-Phe-Gln-Glu-Gln-Glu-Glu-Pro-Glu-Pro-Gly-Met-Glu-Glu-Ala-Gly-Glu-Met-Glu-Gln-Lys-Gln-Leu-Gln
Sequence Shortening:	MPRVRSLFQEQEPEPGMEEAGEMEQLQ
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.

### BIOLOGICAL ACTIVITY

Description	Nocistatin (human) TFA blocks nociceptin-induced allodynia and hyperalgesia, and attenuates pain evoked by prostaglandin E <sub>2</sub> <sup>[1]</sup> .
In Vitro	Nocistatin (5.0 nmol) significantly improves the nociception (5.0 nmol)-induced impairment of learning and memory without changing motor activity or response to electric shocks <sup>[2]</sup> .

### REFERENCES

- [1]. E Okuda-Ashitaka, et al. Nocistatin, a peptide that blocks nociceptin action in pain transmission. *Nature*. 1998 Mar 19;392(6673):286-9.
- [2]. M Hiramatsu, et al. Effects of nocistatin on nociceptin-induced impairment of learning and memory in mice. *Eur J Pharmacol*. 1999 Feb 19;367(2-3):151-5.

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

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