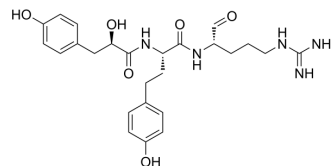


## Nostosin G

Cat. No.:	HY-N3997
Molecular Formula:	C <sub>25</sub> H <sub>33</sub> N <sub>5</sub> O <sub>6</sub>
Molecular Weight:	499.56
Target:	Ser/Thr Protease
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Nostosin G is a unique example of a linear peptide containing three subunits, 4-hydroxyphenyllactic acid (Hpla), homotyrosine (Hty), and arginal. Nostosin G has potent trypsin inhibitory property with an IC <sub>50</sub> value of 0.1 μM <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 0.1 μM (trypsin) <sup>[1]</sup>
In Vitro	Nostosin G (compound 1) exhibits trypsin inhibition with an IC <sub>50</sub> value of 0.1 μM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Chin-Soon Phan, et al. Nostosin G and Spiroidesin B from the Cyanobacterium Dolichospermum sp. NIES-1697. J Nat Prod. 2022 Aug 10.

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

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