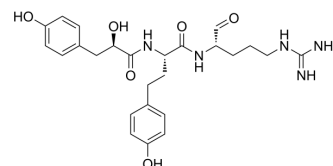


Nostosin G

Cat. No.:	HY-N3997
CAS No.:	3033950-58-9
Molecular Formula:	C ₂₅ H ₃₃ N ₅ O ₆
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 ₅₀ value of 0.1 μM ^[1] .
IC ₅₀ & Target	IC ₅₀ : 0.1 μM (trypsin) ^[1]
In Vitro	Nostosin G (compound 1) exhibits trypsin inhibition with an IC ₅₀ value of 0.1 μM ^[1] . 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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