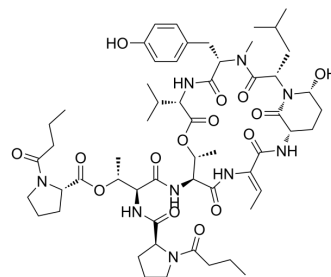


Rivulariapeptolides 1121

Cat. No.:	HY-N4332
Molecular Formula:	C ₅₆ H ₈₃ N ₉ O ₁₅
Molecular Weight:	1122.31
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	Rivulariapeptolides 1121 is a high potent and selective serine protease inhibitor with IC ₅₀ values of 35.52 nM, 13.24 nM and 48.05 nM for chymotrypsin, elastase and proteinase K, respectively ^[1] .
IC ₅₀ & Target	IC ₅₀ : 35.52 nM (chymotrypsin); 13.24 nM (elastase) and 48.05 nM (proteinase K) ^[1] .
In Vitro	Rivulariapeptolides 1121 (0-3 μM, 40 min) has high potency and distinct selectivity with IC ₅₀ values of 35.52 nM, 13.24 nM and 48.05 nM for chymotrypsin, elastase and proteinase K, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Raphael Reher, et al. Native metabolomics identifies the rivulariapeptolide family of protease inhibitors. Nat Commun. 2022 Aug 8;13(1):4619.

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

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