

Palicourein

Cat. No.:	HY-P5738
CAS No.:	331714-57-9
Molecular Formula:	C ₁₅₉ H ₂₅₀ N ₄₈ O ₅₆ S ₆
Molecular Weight:	3922.36
Sequence:	Cyclo(Gly-Asp-Pro-Thr-Phe-Cys-Gly-Glu-Thr-Cys-Arg-Val-Ile-Pro-Val-Cys-Thr-Tyr-Ser-Ala-Ala-Leu-Gly-Cys-Thr-Cys-Asp-Asp-Arg-Ser-Asp-Gly-Leu-Cys-Lys-Arg-Asn) (Disulfide bridge: Cys1-Cys4,Cys2-Cys5,Cys3-Cys6)
Sequence Shortening:	Cyclo(GDPTFCGETCRVIPVCTYSAALGCTCDDRSDGLCKRN) (Disulfide bridge: Cys1-Cys4, Cys2-Cys5,Cys3-Cys6)
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Palicourein is a 37 amino acid cyclic polypeptide. Palicourein inhibits the in vitro cytopathic effects of HIV-1RF infection of CEM-SS cells with an EC₅₀ value of 0.1 μM and an IC₅₀ value of 1.5 μM^[1].

REFERENCES

[1]. Bokesch HR, et al. A novel anti-HIV macrocyclic peptide from Palicourea condensata. J Nat Prod. 2001 Feb;64(2):249-50.

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

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