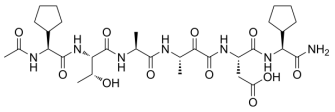
Ac-{Cpg}-Thr-Ala-{Ala(CO)}-Asp-{Cpg}-NH2

Cat. No.:	HY-P10215
Molecular Formula:	$C_{31}H_{49}N_7O_{11}$
Molecular Weight:	695.76
Sequence:	Ac-{Cpg}-Thr-Ala-{Ala(CO)}-Asp-{Cpg}-NH2
Sequence Shortening:	Ac-{Cpg}-TA-{Ala(CO)}-D-{Cpg}-NH2
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ac-{Cpg}-Thr-Ala-{Ala(CO)}-Asp-{Cpg}-NH2 (compound 40) is a potent ***Plasmodium*** subtilisin-like protease 1 (SUB1) inhibitor. SUB1-IN-1 shows IC_{50} values of 12 nM and 10 nM against P. vivax and P. falciparum SUB1 (Pv- and PfSUB1), respectively[1].
IC_{50} & Target	SUB1 protease[1]

REFERENCES

[1]. Legru A, et al. Insights from structure-activity relationships and the binding mode of peptidic α-ketoamide inhibitors of the malaria drug target subtilisin-like SUB1[J]. European Journal of Medicinal Chemistry, 2024: 116308.

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