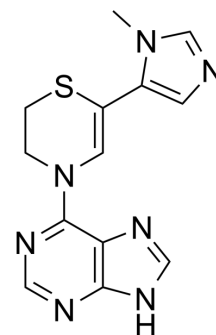


Aplithianines A

Cat. No.:	HY-N12399
CAS No.:	3027425-38-0
Molecular Formula:	C ₁₃ H ₁₃ N ₇ S
Molecular Weight:	299.35
Target:	PKA
Pathway:	Stem Cell/Wnt; TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Aplithianines A is a potent inhibitor against J-PKAc α with an IC ₅₀ of 1 μ M, and inhibits wild-type PKA with an IC ₅₀ of 84 nM. Aplithianines A inhibits J-PKAc α catalytic activity by competitively binding to the ATP pocket ^[1] .
IC ₅₀ & Target	1 μ M (J-PKAc α) ^[1]

REFERENCES

[1]. Du L, et al. Discovery and Synthesis of a Naturally Derived Protein Kinase Inhibitor that Selectively Inhibits Distinct Classes of Serine/Threonine Kinases. J Nat Prod. 2023;86(10):2283-2293. IF: 5.1 Q1 B2

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

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