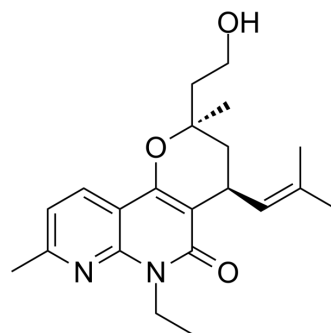


PDE4-IN-5

Cat. No.:	HY-144265
CAS No.:	2768626-06-6
Molecular Formula:	C ₂₁ H ₂₈ N ₂ O ₃
Molecular Weight:	356.46
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PDE4-IN-5 (compound 33a) is a potent and selective PDE4 inhibitor (IC ₅₀ =3.1 nM). PDE4-IN-5 has favorable skin permeability and a well-characterized binding mechanism. Anti-psoriasis effect ^[1] .
IC ₅₀ & Target	PDE4

REFERENCES

[1]. Song Z, et al. Discovery and Structural Optimization of Toddacoumalone Derivatives as Novel PDE4 Inhibitors for the Topical Treatment of Psoriasis. J Med Chem. 2022;65(5):4238-4254.

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

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