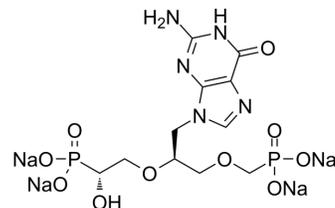


Purine phosphoribosyltransferase-IN-1

Cat. No.:	HY-144294
CAS No.:	2784631-28-1
Molecular Formula:	C ₁₁ H ₁₅ N ₅ Na ₄ O ₁₀ P ₂
Molecular Weight:	531.17
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Purine phosphoribosyltransferase-IN-1 (Compound (S,R)-48) is a potent inhibitor of the Plasmodium falciparum (Pf), P. vivax (Pv) and Trypanosoma brucei (Tbr) 6-oxopurine purine phosphoribosyltransferases (PRTs), with K _i values of 50, 20, and 2 nM, respectively ^[1] .
IC ₅₀ & Target	Plasmodium

REFERENCES

[1]. Tomáš Klejch, et al. Stereo-Defined Acyclic Nucleoside Phosphonates are Selective and Potent Inhibitors of Parasite 6-Oxopurine Phosphoribosyltransferases. J Med Chem. 2022 Mar 10;65(5):4030-4057.

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

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