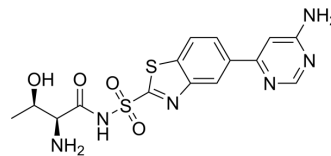


PfThrRS-IN-1

Cat. No.:	HY-162072
Molecular Formula:	C ₁₅ H ₁₆ N ₆ O ₄ S ₂
Molecular Weight:	408.46
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PfThrRS-IN-1 (compound 11) is a potent inhibitor of Plasmodium falciparum threonyl tRNA synthetase (PfThrRS), with the IC ₅₀ value of 0.1 μM. PfThrRS-IN-1 is a potent antimalaria agent ^[1] .
IC ₅₀ & Target	0.1 μM (PfThrRS)

REFERENCES

[1]. Jekaterina Bolsakova, et al. Discovery of Malarial Threonyl tRNA Synthetase Inhibitors by Screening of a Focused Fragment Library. December 2023 ACS Medicinal Chemistry Letters

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

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