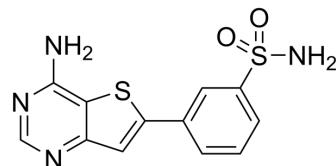


OSM-S-106

Cat. No.:	HY-162238
CAS No.:	2650846-59-4
Molecular Formula:	C ₁₂ H ₁₀ N ₄ O ₂ S ₂
Molecular Weight:	306.36
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

OSM-S-106 is a pro-inhibitor and that inhibition of PfAsnRS occurs via enzyme-mediated production of an Asn-OSM-S-106 adduct. OSM-S-106 inhibits protein translation and activates the amino acid starvation response. OSM-S-106 exhibits selective activity against Plasmodium blood and liver stages and low intrinsic clearance by human microsomes^[1].

REFERENCES

[1]. Xie SC, et al. Reaction hijacking inhibition of Plasmodium falciparum asparagine tRNA synthetase. Preprint. Res Sq. 2023;rs.3.rs-3198291. Published 2023 Jul 27.

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

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