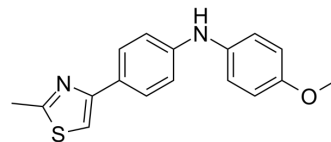


FabH-IN-1

Cat. No.:	HY-146171
CAS No.:	2692652-49-4
Molecular Formula:	C ₁₇ H ₁₆ N ₂ OS
Molecular Weight:	296.39
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	FabH-IN-1 (compound 3f) is an inhibitor of bacterial 3-oxoacyl-[acyl-carrier-protein] synthase 3 (FabH) enzyme which is a broad-spectrum antimicrobial target. FabH-IN-1 is effective against gram-positive and gram-negative. FabH-IN-1 is also a good antioxidant ^[1] .
IC ₅₀ & Target	3-oxoacyl-[acyl-carrier-protein] synthase 3 (FabH) enzyme ^[1]

REFERENCES

[1]. Ahmad H, et, al. A combine approach of chemical synthesis, biological evaluation and structural dynamics studies revealed thiazole substituted arylamine derivatives as potent FabH enzyme inhibitors. Bioorg Chem. 2020 Dec;105:104426.

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

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