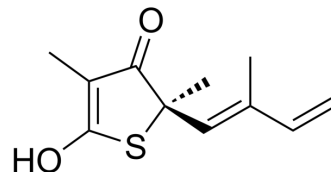


Thiolactomycin

Cat. No.:	HY-122394
CAS No.:	82079-32-1
Molecular Formula:	C ₁₁ H ₁₄ O ₂ S
Molecular Weight:	210.29
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Thiolactomycin is an antibiotic. Thiolactomycin is active against Gram-negative anaerobes. Thiolactomycin also inhibits malaria and trypanosomes. Thiolactomycin is a FabB inhibitor. Thiolactomycin inhibits the synthesis of fatty acids and mycolic acids^{[1][2]}.

REFERENCES

- [1]. Price AC, et al. Inhibition of beta-ketoacyl-acyl carrier protein synthases by thiolactomycin and cerulenin. Structure and mechanism. *J Biol Chem.* 2001 Mar 2;276(9):6551-9.
- [2]. Slayden RA, et al. Antimycobacterial action of thiolactomycin: an inhibitor of fatty acid and mycolic acid synthesis. *Antimicrob Agents Chemother.* 1996 Dec;40(12):2813-9.

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

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