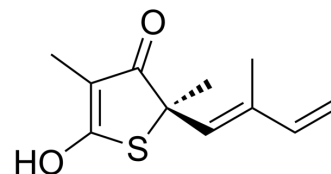


Thiolactomycin

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:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



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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