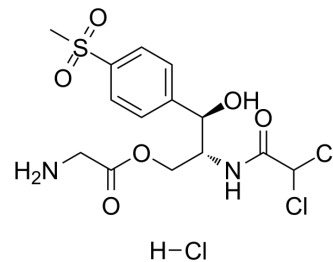


Thiamphenicol glycinate hydrochloride

Cat. No.:	HY-132282
CAS No.:	2611-61-2
Molecular Formula:	C ₁₄ H ₁₉ Cl ₃ N ₂ O ₆ S
Molecular Weight:	449.73
Target:	Bacterial
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (555.89 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration	Mass 1 mg	5 mg	10 mg
		1 mM	2.2236 mL	11.1178 mL	22.2356 mL
		5 mM	0.4447 mL	2.2236 mL	4.4471 mL
		10 mM	0.2224 mL	1.1118 mL	2.2236 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (4.62 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.62 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.62 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Thiamphenicol glycinate hydrochloride is a broad-spectrum antibacterial agent that can be used for respiratory tract infections research ^[1] .
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REFERENCES

[1]. L Drago, et al. Comparative in vitro activity of thiamphenicol-glycinate and thiamphenicol-glycinate-acetylcysteinate and other antimicrobials against respiratory pathogens. *Arzneimittelforschung*. 2001;51(4):315-24.

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

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