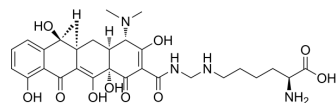


Lymecycline

Cat. No.:	HY-106339
CAS No.:	992-21-2
Molecular Formula:	C ₂₉ H ₃₈ N ₄ O ₁₀
Molecular Weight:	602.63
Target:	Bacterial
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 100 mg/mL (165.94 mM)
* "≥" means soluble, but saturation unknown.

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.6594 mL	8.2970 mL	16.5939 mL
	5 mM	0.3319 mL	1.6594 mL	3.3188 mL
	10 mM	0.1659 mL	0.8297 mL	1.6594 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	Lymecycline is a tetracycline derivative, with broad-spectrum antibacterial activity and also has anti-inflammatory property.
IC ₅₀ & Target	Bacterial ^[1]
In Vitro	Lymecycline is a tetracycline derivative, with broad-spectrum antibacterial activity interfering with prokaryotic protein synthesis at the ribosome level. Lymecycline also has anti-inflammatory property ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Rempe S, et al. Tetracyclines and pulmonary inflammation. *Endocr Metab Immune Disord Drug Targets*. 2007 Dec;7(4):232-6.

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

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