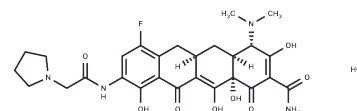


TargetMol®
YOUR TARGET MOLECULES

Chemical Properties

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Description	Eravacycline HCl (TP-434 HCl) is potent antibiotic with broad-spectrum antibacterial activity.
Targets(IC50)	Antibiotic
In vitro	Eravacycline is potent antibiotic against <i>A. baumannii</i> , including isolates that are resistant to sulbactam, meropenem/imipenem, levofloxacin, and tobramycin/amikacin. Eravacycline exhibits greater activity than the comparators of the tetracycline class, levofloxacin, amikacin, tobramycin, and colistin. The eravacycline MIC _{50/90} values are 0.5/1 mg/L[1].
In vivo	Eravacycline is active in multiple murine models of infection against clinically important Gram-negative and Gram-positive pathogens. Eravacycline is efficacious in mouse septicemia models, demonstrating 50% protective dose values of ≤ 1 mg/kg of body weight once a day (q.d.) against <i>Staphylococcus aureus</i> , including tetracycline-resistant isolates of methicillin-resistant <i>S. aureus</i> (MRSA), and <i>Streptococcus pyogenes</i> . The PD ₅₀ s against <i>Escherichia coli</i> isolates are 1.2 to 4.4 mg/kg q.d[2].

Solubility	DMSO: 55 mg/mL (92.43 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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A DRUG SCREENING EXPERT

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6806 mL	8.4031 mL	16.8062 mL
5 mM	0.3361 mL	1.6806 mL	3.3612 mL
10 mM	0.1681 mL	0.8403 mL	1.6806 mL
50 mM	0.0336 mL	0.1681 mL	0.3361 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Seifert H, et al. In-vitro activity of the novel fluorocycline eravacycline against carbapenem non-susceptible *Acinetobacter baumannii*. *Int J Antimicrob Agents*. 2017 Jul 10.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481