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Zuschläge

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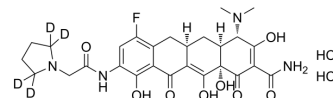
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Eravacycline-d₄ dihydrochloride

Cat. No.:	HY-16980S
Molecular Formula:	C ₂₇ H ₂₉ D ₄ Cl ₂ FN ₄ O ₈
Molecular Weight:	635.5
Target:	Isotope-Labeled Compounds; Beta-lactamase; Antibiotic; Bacterial
Pathway:	Others; 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)



BIOLOGICAL ACTIVITY

Description	Eravacycline-d ₄ (TP-434-d ₄) dihydrochloride is deuterium labeled Eravacycline. Eravacycline is a potent and broad-spectrum antibacterial agent ^{[1][2][3][4][5][6]} .
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REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. 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.
- [3]. Zhao M, et al. In Vivo Pharmacodynamic Target Assessment of Eravacycline against *Escherichia coli* in a Murine Thigh Infection Model. *Antimicrob Agents Chemother*. 2017 Jun 27;61(7).
- [4]. Xiao XY, et al. Fluorocyclines. 1. 7-fluoro-9-pyrrolidinoacetamido-6-demethyl-6-deoxytetracycline: a potent, broad spectrum antibacterial agent. *J Med Chem*. 2012 Jan 26;55(2):597-605.
- [5]. Sutcliffe JA, et al. Antibacterial activity of eravacycline (TP-434), a novel fluorocycline, against hospital and community pathogens. *Antimicrob Agents Chemother*. 2013 Nov;57(11):5548-58.
- [6]. Grossman TH, et al. Eravacycline (TP-434) is efficacious in animal models of infection. *Antimicrob Agents Chemother*. 2015 May;59(5):2567-71.

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

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