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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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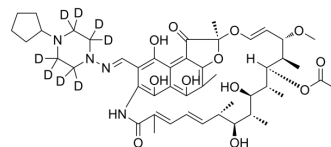
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Rifapentine-d₈

Cat. No.:	HY-W739149
Molecular Formula:	C ₄₇ H ₅₆ D ₈ N ₄ O ₁₂
Molecular Weight:	885.08
Target:	Isotope-Labeled Compounds; Antibiotic; Bacterial
Pathway:	Others; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Rifapentine-d ₈ is deuterium labeled Rifapentine. Rifapentine (DL 473) is an antibiotic used in tuberculosis research ^{[1][2]} .
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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]. Sharma, S.K., et al., Rifamycins (rifampicin, rifabutin and rifapentine) compared to isoniazid for preventing tuberculosis in HIV-negative people at risk of active TB. *Cochrane Database Syst Rev*, 2013. 7: p. CD007545.
- [3]. Klemens SP, et al. Activity of rifapentine against *Mycobacterium avium* infection in beige mice. *J Antimicrob Chemother*. 1992 May;29(5):555-61.
- [4]. Albano M, et al. In Vitro Activity of Rifampin, Rifabutin, Rifapentine, and Rifaximin against Planktonic and Biofilm States of Staphylococci Isolated from Periprosthetic Joint Infection. *Antimicrob Agents Chemother*. 2019 Oct 22;63(11):e00959-19.
- [5]. Rifat D, et al. Pharmacokinetics of rifapentine and rifampin in a rabbit model of tuberculosis and correlation with clinical trial data. *Sci Transl Med*. 2018 Apr 4;10(435):eaai7786.

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

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