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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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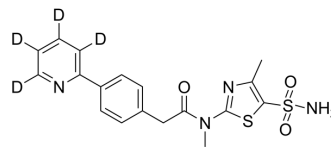
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Pritelivir-d₄-1

Cat. No.:	HY-15303S
Molecular Formula:	C ₁₈ H ₁₄ D ₄ N ₄ O ₃ S ₂
Molecular Weight:	406.52
Target:	Isotope-Labeled Compounds; HSV
Pathway:	Others; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Pritelivir-d₄-1 (AIC316-d₄-1) is deuterium labeled Pritelivir. Pritelivir (AIC316), an inhibitor of the viral helicase-primase complex, exhibits antiviral activity in vitro and in animal models of herpes simplex virus (HSV) infection. Pritelivir is active against herpes simplex virus types 1 and 2 (HSV-1 and HSV-2) with the IC₅₀ of 0.02 μM against HSV1-2^{[1][2]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Ligat G, et al. Identification of Amino Acids Essential for Viral Replication in the HCMV Helicase-PrimaseComplex. *Front Microbiol*. 2018 Oct 23;9:2483.
- [3]. Wald A, et al. Helicase-primase inhibitor Pritelivir for HSV-2 infection. *N Engl J Med*. 2014 Jan 16;370(3):201-10.
- [4]. Quenelle DC, et al. Efficacy of pritelivir and acyclovir in the treatment of herpes simplex virus infections in a mouse model of herpes simplex encephalitis. *Antiviral Res*. 2018 Jan;149:1-6.

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

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