



SZABO SCANDIC

Part of Europa Biosite

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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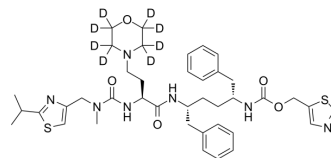
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Cobicistat-d₈

Cat. No.:	HY-10493S
CAS No.:	2699607-48-0
Molecular Formula:	C ₄₀ H ₄₅ D ₈ N ₇ O ₅ S ₂
Molecular Weight:	784.07
Target:	Isotope-Labeled Compounds; HIV; Cytochrome P450
Pathway:	Others; Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Cobicistat-d₈ (GS-9350-d₈) is a deuterated version of Cobicistat (HY-10493). Cobicistat is a potent and selective inhibitor of cytochrome P450 3A (CYP3A) with IC₅₀ values of 30-285 nM. Cobicistat is a pharmacokinetic enhancer that enhances the absorption of anti-HIV active molecules^{[1][2][3]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019;53(2):211-216.
- [2]. Temesgen Z. Cobicistat, a pharmacoenhancer for HIV treatments. *Drugs Today (Barc)*. 2013 Apr;49(4):233-7.
- [3]. Lianhong Xu, et al. Cobicistat (GS-9350): A Potent and Selective Inhibitor of Human CYP3A as a Novel Pharmacoenhancer. *ACS Med. Chem. Lett.*, 2010, 1 (5), pp 209–213

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

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