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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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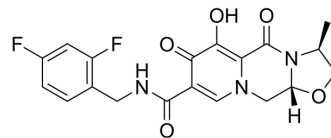
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Cabotegravir (Standard)

Cat. No.:	HY-15592R
CAS No.:	1051375-10-0
Molecular Formula:	C ₁₉ H ₁₇ F ₂ N ₃ O ₅
Molecular Weight:	405.35
Target:	HIV Integrase; HIV
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Cabotegravir (Standard) is the analytical standard of Cabotegravir. This product is intended for research and analytical applications. Cabotegravir (GSK-1265744) is a orally active and long-acting HIV integrase strand transfer inhibitor and organic anion transporter 1/3 (OAT1/OAT3) inhibitor with IC ₅₀ values of 2.5 nM, 0.41 μM and 0.81 μM for HIV _{ADA} , OAT3 and OAT1, respectively. Cabotegravir is primarily metabolized by uridine diphosphate glucuronosyltransferase (UGT) 1A1, with low potential to interact with other antiretroviral agents (ARVs). Cabotegravir can be used to research AIDS ^{[1][2]} .
IC ₅₀ & Target	IC ₅₀ : 2.5 nM (HIV _{ADA}) ^[1] IC ₅₀ : 0.41 μM (OAT3), 0.81 μM (OAT1) ^[2]

REFERENCES

- [1]. Reese MJ, et al. Drug interaction profile of the HIV integrase inhibitor cabotegravir: assessment from in vitro studies and a clinical investigation with midazolam. *Xenobiotica*. 2015 Sep 4:1-12.
- [2]. Zhou T, et al. Creation of a nanoformulated cabotegravir prodrug with improved antiretroviral profiles. *Biomaterials*. 2018 Jan;151:53-65.
- [3]. Yoshinaga T, et al. Antiviral characteristics of GSK1265744, an HIV integrase inhibitor dosed orally or by long-acting injection. *Antimicrob Agents Chemother*. 2015 Jan;59(1):397-406.
- [4]. Andrews CD, et al. Cabotegravir long acting injection protects macaques against intravenous challenge with SIVmac251. *AIDS*. 2017 Feb 20;31(4):461-467.

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

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