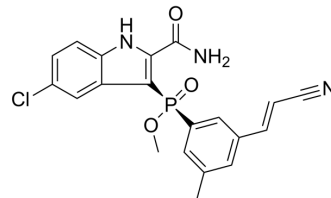


Fosdevirine

Cat. No.:	HY-14891
CAS No.:	1018450-26-4
Molecular Formula:	C ₂₀ H ₁₇ ClN ₃ O ₃ P
Molecular Weight:	413.79
Target:	HIV; Reverse Transcriptase
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Fosdevirine (GSK2248761) is a potent, selective, non-nucleoside reverse transcriptase inhibitor (NNRTI) of human immunodeficiency virus type 1 (HIV-1) replication with low nanomolar activity in vitro. Fosdevirine shows good activity against a broad range of HIV-1 strains, including efavirenz (HY-10572)-resistant clinical isolates ^[1] .		
IC₅₀ & Target	HIV-1	HIV-1 (K103N)	HIV-1 (Y181C)
In Vitro	Fosdevirine exhibits potent in vitro antiviral efficacy against K103N and Y181C single point mutations and was equally effective against most double mutants ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.		

REFERENCES

[1]. Castellino S, et al. Central nervous system disposition and metabolism of Fosdevirine (GSK2248761), a non-nucleoside reverse transcriptase inhibitor: an LC-MS and Matrix-assisted laser desorption/ionization imaging MS investigation into central nervous system toxicity. *Chem Res Toxicol.* 2013 Feb 18;26(2):241-51.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA