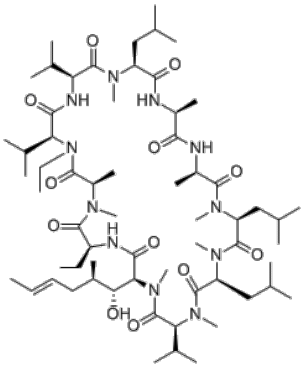
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Data Sheet

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Product Name	:	Alisporivir
Cat. No.	:	PC-21261
CAS No.	:	254435-95-5
Molecular Formula	:	$C_{63}H_{113}N_{11}O_{12}$
Molecular Weight	:	1216.66
Target	:	HBV
Solubility	:	10 mM in DMSO



Biological Activity

Alisporivir (Debio 025, DEBIO-025) is a non-immunosuppressive **cyclophilin** inhibitor derived from cyclosporin A (CsA) with IC50 of 30 nM (CypD PPIase activity), inhibits HCV replication in vitro more potently than CsA.
Alisporivir (Debio 025, DEBIO-025) inhibits HCV subgenomic replicon replication in Huh 5-2 cells (luciferase assay) with EC50 of 0.27 ug/mL.
Alisporivir (Debio 025, DEBIO-025) selectively inhibits the replication of HIV-1 in a CD4+ cell line and in peripheral blood mononuclear cells, interferes with the function of CypA during the progression/completion of HIV-1 reverse transcription.
Alisporivir (Debio 025, DEBIO-025) also blocks SARS-CoV and MERS-CoV replication.

References

Flisiak R, et al. ***Hepatology***. 2008 Mar;47(3):817-26.

Inoue K, et al. ***Hepatology***. 2007 Apr;45(4):921-8.

Ptak RG, et al. ***Antimicrob Agents Chemother***. 2008 Apr;52(4):1302-17.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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