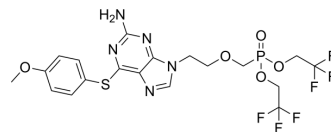


Alamifovir

Cat. No.:	HY-119691
CAS No.:	193681-12-8
Molecular Formula:	C ₁₉ H ₂₀ F ₆ N ₅ O ₅ PS
Molecular Weight:	575.42
Target:	HBV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Alamifovir (LY582563; MCC-478), a purine nucleotide analogue proagent, shows potent activity against wild type and lamivudine resistant hepatitis B virus (HBV). Alamifovir has high activity against HBV replication and sustained antiviral effect ^{[1][2]} .
In Vitro	MCC-478 (0-10 μM) has EC ₅₀ s of 0.027 μM for wild-type HBV, 2.6 μM for M552I, 3.3 μM for M552V, and 2.0 μM for L528M/M552V [1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Danny K W Soon, et al. Safety and efficacy of alamifovir in patients with chronic hepatitis B virus infection. *J Hepatol.* 2004 Nov;41(5):852-8.
- [2]. Suzane Kioko Ono-Nita, et al. Novel nucleoside analogue MCC-478 (LY582563) is effective against wild-type or lamivudine-resistant hepatitis B virus. *Antimicrob Agents Chemother.* 2002 Aug;46(8):2602-5.

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

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