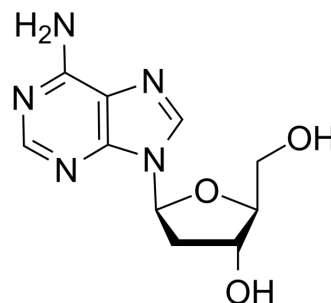


2'-Deoxy-L-adenosine

Cat. No.:	HY-W352344
CAS No.:	14365-45-8
Molecular Formula:	C ₁₀ H ₁₃ N ₅ O ₃
Molecular Weight:	251.24
Target:	HBV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	2'-Deoxy-L-adenosine is an orally active synthon for modified oligodeoxyribonucleotides. 2'-Deoxy-L-adenosine is a potent, specific and selective inhibitor of the replication of hepatitis B virus (HBV) as well as the closely related duck and woodchuck hepatitis viruses (WHV) ^[1] .
In Vitro	2'-Deoxy-L-adenosine shows anti-hepadnavirus activity, without affecting the replication of 15 other RNA and DNA viruses, neither nor inhibiting human DNA polymerases (α, β, and γ) or compromise mitochondrial function ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	2'-Deoxy-L-adenosine (p.o.; once daily) reduces viral load by as much as 108 genome equivalent/mL serum without drug-related toxicity in woodchuck efficacy model of chronic HBV infection ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Strandring DN, et al. Antiviral beta-L-nucleosides specific for hepatitis B virus infection. *Antivir Chem Chemother.* 2001;12 Suppl 1:119-29.

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

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