
Product Data Sheet

Product Name: 2'-Deoxy-L-adenosine

Cat. No.: GC67328

Chemical Properties

Cas. No. 14365-45-8

Formula $C_{10}H_{13}N_5O_3$ M.Wt 251.24

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

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].

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].

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].

[1]. Standing 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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