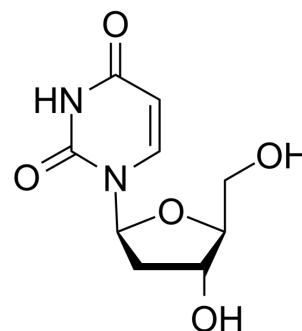


2'-Deoxy-β-L-uridine

Cat. No.:	HY-W353804
CAS No.:	31501-19-6
Molecular Formula:	C ₉ H ₁₂ N ₂ O ₅
Molecular Weight:	228.2
Target:	Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

2'-Deoxy-β-L-uridine is a nucleoside analogue and a specific substrate for the viral enzyme, shows no stereospecificity against herpes simplex 1 (HSV1) thymidine kinase (TK). 2'-Deoxy-β-L-uridine exerts antiviral activity via the interaction of 5'-triphosphates with the viral DNA polymerase^{[1][2]}.

REFERENCES

- [1]. Spadari S, et al. L-thymidine is phosphorylated by herpes simplex virus type 1 thymidine kinase and inhibits viral growth. *J Med Chem.* 1992 Oct 30;35(22):4214-20.
- [2]. Lin TS, et al. Design and synthesis of 2',3'-dideoxy-2',3'-didehydro-beta-L-cytidine (beta-L-d4C) and 2',3'-dideoxy 2',3'-didehydro-beta-L-5-fluorocytidine (beta-L-Fd4C), two exceptionally potent inhibitors of human hepatitis B virus (HBV) and potent inhibitors of human immunodeficiency virus (HIV) in vitro. *J Med Chem.* 1996 Apr 26;39(9):1757-9.

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

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