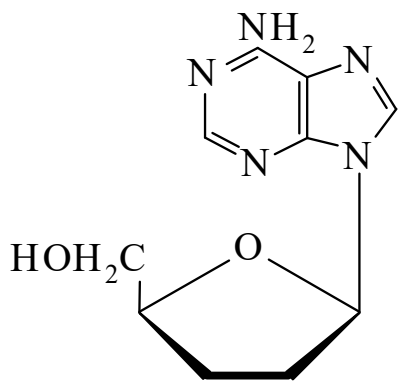
>>**Entry Name: 2',3'-Dideoxyadenosine,** 9CI, 8CI

Synonym(s): 2,3-Dideoxy-β-D-ribofuranosyladenine. 2,3-Dideoxy-β-D-*glycero*-pentopyranosyladenine. NSC 98700



CAS Registry Number: 4097-22-7

Molecular Formula: $C_{10}H_{13}N_5O_2$
Molecular Weight: 235.245
Accurate Mass: 235.106925
Percentage Composition: C 51.06%; H 5.57%; N 29.77%; O 13.60%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 184-186°
Optical Rotation: $[\alpha]_D^{25}$ –25.2 (c, 1.0 in H_2O)
Other Data: λ_{max} 259.5 nm (ε 14 800)
Hazard & Toxicity: LD_{50} (mus, orl) 5000 mg/kg

Aldrich: 30833-1
Fluka: 36769
Sigma: D1285

>>**Derivative:** 5'-Triphosphate

CAS Registry Number: 24027-80-3
Extra CAS Registry Numbers(s): 72029-21-1 132619-65-9
Molecular Formula: $C_{10}H_{16}N_5O_{11}P_3$
Molecular Weight: 475.185
Accurate Mass: 475.005921
Percentage Composition: C 25.28%; H 3.39%; N 14.74%; O 37.04%; P 19.55%
Biological Use/Importance: Inhibitor of DNA polymerase 1-catalysed elongation

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