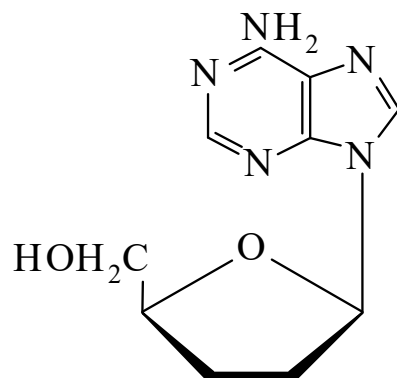




>>Entry Name: **2',3'-Dideoxyadenosine**, 9Cl, 8Cl

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<sub>10</sub>H<sub>13</sub>N<sub>5</sub>O<sub>2</sub>

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: [α]<sub>D</sub><sup>25</sup> -25.2 (c, 1.0 in H<sub>2</sub>O)

Other Data: λ<sub>max</sub> 259.5 nm (ε 14 800)

Hazard & Toxicity: LD<sub>50</sub> (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<sub>10</sub>H<sub>16</sub>N<sub>5</sub>O<sub>11</sub>P<sub>3</sub>

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

#### References:

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