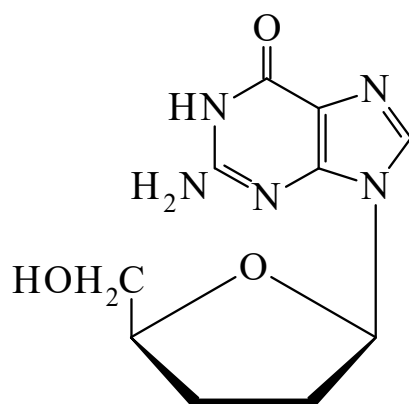




>>Entry Name: 2',3'-Dideoxyguanosine, 9Cl



CAS Registry Number: 85326-06-3

Molecular Formula: C₁₀H₁₃N₅O₃

Molecular Weight: 251.244

Accurate Mass: 251.10184

Percentage Composition: C 47.81%; H 5.22%; N 27.87%; O 19.10%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 300°

>>Derivative: 5'-Triphosphate

CAS Registry Number: 68726-28-3

Molecular Formula: C₁₀H₁₆N₅O₁₂P₃

Molecular Weight: 491.184

Accurate Mass: 491.000836

Percentage Composition: C 24.45%; H 3.28%; N 14.26%; O 39.09%; P 18.92%

Source/Synthesis: Inhibitor of DNA polymerase-1 catalysed chain elongation

References:

Sanger, F. *et al.*, *Proc. Natl. Acad. Sci. U.S.A.*, 1977, **74**, 5463-5467, (triphosphate)

Prisbe, E.J. *et al.*, *Synth. Commun.*, 1985, **15**, 401, (synth, uv, pmr)

Chu, C.K. *et al.*, *J.O.C.*, 1989, **54**, 2217, (synth, pmr)