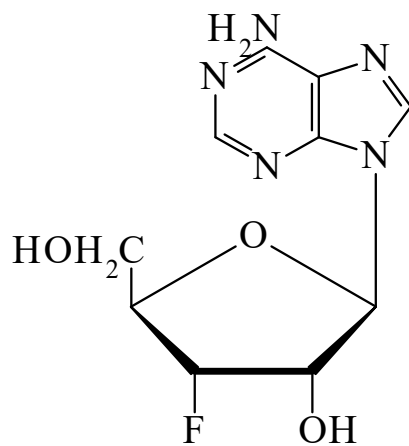




>>Entry Name: 3'-Deoxy-3'-fluoroadenosine, 9CI



CAS Registry Number: 75059-22-2

Molecular Formula: $C_{10}H_{12}FN_5O_3$

Molecular Weight: 269.235

Accurate Mass: 269.092418

Percentage Composition: C 44.61%; H 4.49%; F 7.06%; N 26.01%; O 17.83%

Melting Point: Mp 197-198° (205.6°, 164°)

Optical Rotation: $[\alpha]_D -93.5$ (c, 0.5 in MeOH)

>>Derivative: 5'-O-Benzyl

Molecular Formula: $C_{17}H_{18}FN_5O_3$

Molecular Weight: 359.359

Accurate Mass: 359.139368

Percentage Composition: C 56.82%; H 5.05%; F 5.29%; N 19.49%; O 13.36%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 180-181°

Optical Rotation: $[\alpha]_D^{25} -71$ (c, 0.65 in MeOH)

References:

Battistini, C. *et al.*, *Synthesis*, 1990, 900-905, (*synth*, *ms*, *uv*)

Pankiewicz, K.W. *et al.*, *J.O.C.*, 1992, **57**, 7315-7321, (*synth*)

Mikhailopulo, I.A. *et al.*, *Helv. Chim. Acta*, 1999, **82**, 2052-2065, (*5'-O-benzyl*, *synth*, *uv*)