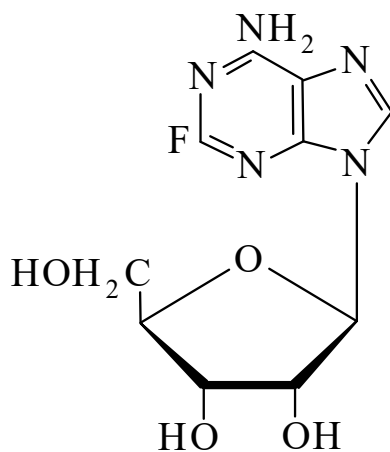




>>Entry Name: 2-Fluoroadenosine, 9Cl, 8Cl



CAS Registry Number: 146-78-1

Molecular Formula: C₁₀H₁₂FN₅O₄

Molecular Weight: 285.234

Accurate Mass: 285.087333

Percentage Composition: C 42.11%; H 4.24%; F 6.66%; N 24.55%; O 22.44%

Use/Importance: Ribonucleotide metab. inhibitor, blood platelet aggregation antagonist. Shows synergism on Actinobolin antimicrobial action

Melting Point: Mp 200 dec.°

Optical Rotation: $[\alpha]_D^{26} -60.3$ (c, 0.13 in EtOH)

Other Data: $\lambda_{\max}$ 260.5 (ε 14 300) (H₂O), 260.5 (13 700) (pH 1), 260.5 nm (14 800) (pH 13)

Hazard & Toxicity: LD₅₀ (mus, ipr) 27.04 mg/kg

>>Derivative: 2',3',5'-Tri-Ac

CAS Registry Number: 15811-32-2

Molecular Formula: C₁₆H₁₈FN₅O₇

Molecular Weight: 411.346

Accurate Mass: 411.119028

Percentage Composition: C 46.72%; H 4.41%; F 4.62%; N 17.03%; O 27.23%

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 204°

Optical Rotation: $[\alpha]_D^{25} -28.6$ (c, 1.0 in CHCl₃)

References:

Montgomery, J.A. *et al.*, *J.A.C.S.*, 1957, **79**, 4559, (*synth*)

Mongomery, J.A. *et al.*, *J.O.C.*, 1968, **33**, 432, (*synth, tri-Ac*)

Montgomery, J.A. *et al.*, *J. Med. Chem.*, 1970, **13**, 427, (*N-Me, N,N-di-Me derivs*)