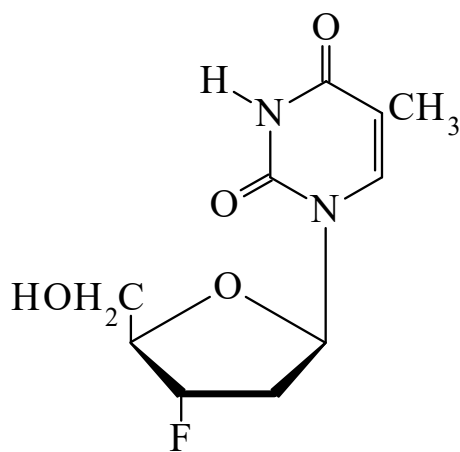




>>Entry Name: Alovudine, INN, USAN

Synonym(s): 3'-Deoxy-3'-fluorothymidine. CL 184824



CAS Registry Number: 25526-93-6

Molecular Formula: C₁₀H₁₃FN₂O₄

Molecular Weight: 244.222

Accurate Mass: 244.085936

Percentage Composition: C 49.18%; H 5.37%; F 7.78%; N 11.47%; O 26.20%

Biological Use/Importance: Antiviral agent. Potent HIV inhibitor, use limited by haemotoxicity

Melting Point: Mp 178-180° (176-177°)

Hazard & Toxicity: Exp. and human haematopoietic effects

Aldrich: 36127-5

References:

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Herdewijn, P. *et al.*, *J. Med. Chem.*, 1987, **30**, 1270-1278, (synth, pmr, activity)

Motawia, M.A. *et al.*, *Annalen*, 1990, 1137-1139, (synth, bibl)

Kong, X.-B. *et al.*, *Antimicrob. Agents Chemother.*, 1992, **36**, 808-818, (activity)

Sandstroem, E. *et al.*, *Drugs*, 1993, **45**, 488-508, (pharmacol, rev)

Sundseth, R. *et al.*, *Antimicrob. Agents Chemother.*, 1996, **40**, 331-335, (pharmacol, tox)

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