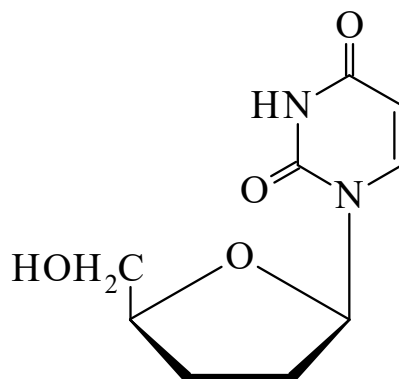




>>Entry Name: 2',3'-Dideoxyuridine, 9Cl



CAS Registry Number: 5983-09-5

Molecular Formula: $C_9H_{12}N_2O_4$

Molecular Weight: 212.205

Accurate Mass: 212.079708

Percentage Composition: C 50.94%; H 5.70%; N 13.20%; O 30.16%

Use/Importance: Used in antiviral and anticancer studies

Physical Description: Cryst.

Melting Point: Mp 127-129°

Optical Rotation: $[\alpha]_D^{20} +34$ (c, 0.4 in H_2O)

Aldrich: 32362-4

Fluka: 36778

Sigma: D6157

>>Derivative: 5'-Ac

CAS Registry Number: 102935-28-4

Molecular Formula: $C_{11}H_{14}N_2O_5$

Molecular Weight: 254.242

Accurate Mass: 254.090273

Percentage Composition: C 51.97%; H 5.55%; N 11.02%; O 31.46%

Physical Description: Cryst.

Melting Point: Mp 80.1-80.6°

>>Derivative: 5'-Benzoyl

CAS Registry Number: 28616-91-3

Molecular Formula: $C_{16}H_{16}N_2O_5$

Molecular Weight: 316.313

Accurate Mass: 316.105923

Percentage Composition: C 60.76%; H 5.10%; N 8.86%; O 25.29%

Physical Description: Needles (EtOAc)

Melting Point: Mp 143-144°

References:

Pfützner, K.E. *et al.*, *J.O.C.*, 1964, **29**, 1508, (*synth*)

Furukawa, Y. *et al.*, *Chem. Pharm. Bull.*, 1970, **18**, 554, (*synth, benzoyl, uv, pmr*)

Shiragami, H. *et al.*, *J.O.C.*, 1988, **53**, 5170, (*synth, Ac, uv, pmr*)

Jung, M.E. *et al.*, *Tet. Lett.*, 1992, **33**, 2921, (*synth, benzoyl*)