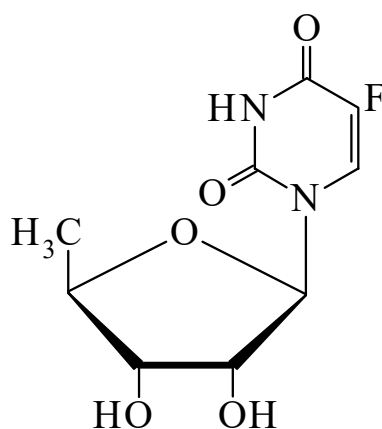




>>Entry Name: 5'-Deoxy-5-fluorouridine, 9CI

Synonym(s): Doxifluridine, INN, JAN. Flutron. Furtulon. 5-DFUR. Ro 21-9738



CAS Registry Number: 3094-09-5

Molecular Formula: $C_9H_{11}FN_2O_5$

Molecular Weight: 246.195

Accurate Mass: 246.065201

Percentage Composition: C 43.91%; H 4.50%; F 7.72%; N 11.38%; O 32.49%

Use/Importance: Antineoplastic agent. Prodrug of 5-Fluoro-2,4(1*H*,3*H*)-pyrimidinedione [CBW00-G](#)

Physical Description: Needles

Development Status: Launched 1987

Melting Point: Mp 192-193°

Optical Rotation: $[\alpha]_{D}^{25} +163.2$ (c, 1 in H_2O)

Calculated Log P Data: Log P -1.03 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 3390 mg/kg. Exp. reprod. and teratogenic effects

Sigma: F8791

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