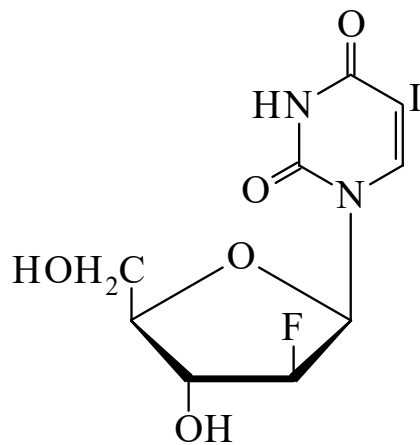




>>Entry Name: Fialuridine, INN, USAN

Synonym(s): 1-(2-Deoxy-2-fluoro-β-D-arabinofuranosyl)-5-iodo-2,4(1*H*,3*H*)-pyrimidinedione, 9Cl. 2'-Fluoro-5-iodo-1-β-D-arabinofuranosyluracil. FIAU



CAS Registry Number: 69123-98-4

Related CAS Registry Numbers(s): 157695-90-4

Molecular Formula: C₉H₁₀FIN₂O₅

Molecular Weight: 372.091

Accurate Mass: 371.961849

Percentage Composition: C 29.05%; H 2.71%; F 5.11%; I 34.11%; N 7.53%; O 21.50%

Use/Importance: Antiviral agent

Physical Description: Cryst. (EtOH)

Melting Point: Mp 223-226°

Calculated Log P Data: Log P -0.68 (calc)

References:

Watanabe, K.A. *et al.*, *J. Med. Chem.*, 1979, **22**, 21, (*synth, pharmacol*)

Chou, T.-C. *et al.*, *Cancer Res.*, 1981, **41**, 3336, (*pharmacol*)

Eur. Pat., 1985, *Bristol-Myers*, 145 978; *CA*, **103**, 178579d, (*synth*)

Tann, C.H. *et al.*, *J.O.C.*, 1985, **50**, 3644, (*synth, pmr, ir*)

Staschke, K.A. *et al.*, *Antiviral Res.*, 1994, **23**, 45, (*pharmacol*)

Colacino, J.M., *Antiviral Res.*, 1996, **29**, 125, (*rev, tox*)