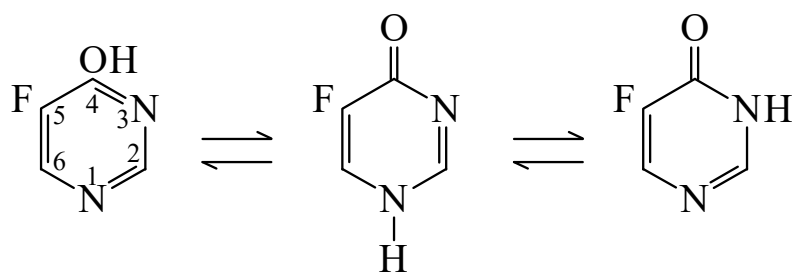




>>Entry Name: 5-Fluoro-4-hydroxypyrimidine

Synonym(s): 5-Fluoro-4(1*H*)-pyrimidinone. 5-Fluoro-4-pyrimidinol. Fluoxidine



Related CAS Registry Numbers(s): 671-35-2

Molecular Formula: C₄H₃FN₂O

Molecular Weight: 114.079

Accurate Mass: 114.022941

Percentage Composition: C 42.11%; H 2.65%; F 16.65%; N 24.56%; O 14.02%

General Statement: 3*H*-form probably predominates

Use/Importance: Shows antineoplastic props.

Physical Description: Cryst. (H₂O)

Melting Point: Mp 200-205°

Hazard & Toxicity: LD₅₀ (mus, orl) 118 mg/kg

References:

Budýřinský, Z. *et al.*, *Coll. Czech. Chem. Comm.*, 1962, **27**, 2550, (*synth*)

Jelinek, V. *et al.*, *CA*, 1973, **79**, 38499p, (*use*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, FMO100