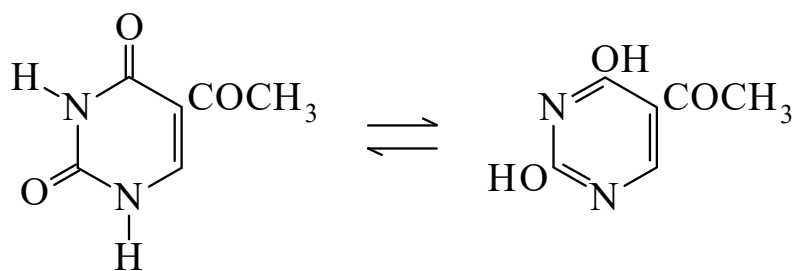




>>Entry Name: 5-Acetyl-2,4(1*H*,3*H*)-pyrimidinedione, 9CI

Synonym(s): 5-Acetyluracil. 5-Acetyl-2,4-dihydroxypyrimidine



CAS Registry Number: 6214-65-9

Molecular Formula: C₆H₆N₂O₃

Molecular Weight: 154.125

Accurate Mass: 154.037843

Percentage Composition: C 46.76%; H 3.92%; N 18.18%; O 31.14%

>>Variant: Oxo-form

Molecular Formula: C₆H₆N₂O₃

Molecular Weight: 154.125

Accurate Mass: 154.037843

Percentage Composition: C 46.76%; H 3.92%; N 18.18%; O 31.14%

Physical Description: Prisms (EtOH)

Melting Point: Mp 283-285 (294°) dec.°

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Orange-red needles (AcOH)

Melting Point: Mp 276 dec.°

>>Derivative: *N*¹-Ph

CAS Registry Number: 36980-84-4

Molecular Formula: C₁₂H₁₀N₂O₃

Molecular Weight: 230.223

Accurate Mass: 230.069143

Percentage Composition: C 62.61%; H 4.38%; N 12.17%; O 20.85%

Physical Description: Needles (EtOH)

Melting Point: Mp 269 dec.°

References:

Bergmann, W. *et al.*, *Ber.*, 1933, **66**, 1492, (*synth*)

Dewar, J.H. *et al.*, *J.C.S.*, 1961, 3254, (*synth*)