



CAS Registry Number: 32479-73-5
Molecular Formula: C₈H₁₂N₂O₃
Molecular Weight: 184.194
Accurate Mass: 184.084793
Percentage Composition: C 52.17%; H 6.57%; N 15.21%; O 26.06%
Physical Description: Needles or prisms
Melting Point: Mp 52-53°. Mp 62°
Boiling Point: Bp₁₉ 167°
Solubility: Sol. hot H₂O

>>Derivative: *N*-Ph

Synonym(s): 1-Phenyl-2,4,6-(1*H*,3*H*,5*H*)-pyrimidinetrione, 9Cl. 1-Phenylbarbituric acid

CAS Registry Number: 15018-50-5
Molecular Formula: C₁₀H₈N₂O₃
Molecular Weight: 204.185
Accurate Mass: 204.053493
Percentage Composition: C 58.82%; H 3.95%; N 13.72%; O 23.51%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 262°

>>Derivative: 1,3-Di-Ph

CAS Registry Number: 7391-60-8
Molecular Formula: C₁₆H₁₂N₂O₃
Molecular Weight: 280.282
Accurate Mass: 280.084793
Percentage Composition: C 68.57%; H 4.32%; N 9.99%; O 17.12%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 252-253°
Rare Chemicals Library: S2445-8

>>Derivative: 2-Me ether

Synonym(s): 6-Hydroxy-2-methoxy-4(1*H*)-pyrimidinone, 9Cl. 4,6-Dihydroxy-2-methoxypyrimidine

CAS Registry Number: 1758-98-1
Molecular Formula: C₅H₆N₂O₃
Molecular Weight: 142.114
Accurate Mass: 142.037843
Percentage Composition: C 42.26%; H 4.26%; N 19.71%; O 33.77%
Physical Description: Needles (H₂O)
Melting Point: Mp 193-195°
Other Data: λ_{max} 225 (2540), 257 (8130) and 317 nm (94) (EtOH)

>>Derivative: Tri-Me ether

Synonym(s): 2,4,6-Trimethoxypyrimidine, 9Cl

CAS Registry Number: 13106-85-9
Molecular Formula: C₇H₁₀N₂O₃
Molecular Weight: 170.168
Accurate Mass: 170.069143
Percentage Composition: C 49.41%; H 5.92%; N 16.46%; O 28.21%
Physical Description: Cryst. (heptane)
Melting Point: Mp 51-54°

References: