



CAS Registry Number: 5541-07-1
Molecular Formula: C₆H₈N₂O
Molecular Weight: 124.142
Accurate Mass: 124.063663
Percentage Composition: C 58.05%; H 6.50%; N 22.57%; O 12.89%
Boiling Point: Bp₃₀ 73-74°

>>Derivative: Me ether, picrate

Melting Point: Mp 114-115°

>>Derivative: Me ether, *N*-oxide

CAS Registry Number: 17759-08-9
Molecular Formula: C₆H₈N₂O₂
Molecular Weight: 140.141
Accurate Mass: 140.058578
Percentage Composition: C 51.42%; H 5.75%; N 19.99%; O 22.83%
Physical Description: Plates (C₆H₆)
Melting Point: Mp 134.5-136°

>>Derivative: Et ether

Synonym(s): 4-Ethoxy-6-methylpyrimidine

CAS Registry Number: 4718-50-7
Molecular Formula: C₇H₁₀N₂O
Molecular Weight: 138.169
Accurate Mass: 138.079313
Percentage Composition: C 60.85%; H 7.29%; N 20.27%; O 11.58%
Boiling Point: Bp₃ 85°

>>Derivative: Et ether, picrate

Melting Point: Mp 105-106°

>>Derivative: Et ether, *N*-oxide

Molecular Formula: C₇H₁₀N₂O₂
Molecular Weight: 154.168
Accurate Mass: 154.074228
Percentage Composition: C 54.54%; H 6.54%; N 18.17%; O 20.76%
Physical Description: Plates
Melting Point: Mp 120-121°

References:

Williams, R.R. *et al.*, *J.A.C.S.*, 1937, **59**, 526
Marshall, E. *et al.*, *J.C.S.*, 1951, 1004, (*deriv*)
Curd, F.H.S. *et al.*, *J.C.S.*, 1955, 1853
Yamanaka, H., *Chem. Pharm. Bull.*, 1959, **7**, 505
Org. Synth., *Coll. Vol.*, 4, 1963, 638, (*synth*)
Fujita, A. *et al.*, *Chem. Pharm. Bull.*, 1965, **13**, 1183
Brown, D.J. *et al.*, *Aust. J. Chem.*, 1968, **21**, 243, (*derivs*)
Nowak, M.J. *et al.*, *J. Mol. Struct.*, 1980, **62**, 47, (*tautom*)
Katritzky, A.R. *et al.*, *Can. J. Chem.*, 1986, **64**, 2087, (*cmr*)