



>>Entry Name: 4,6-Dimethylpyrimidine, 9CI

CAS Registry Number: 1558-17-4

Structure by analogy with 2,4-Dimethylpyrimidine, [FWV91-B](#)

Molecular Formula: C₆H₈N₂

Molecular Weight: 108.143

Accurate Mass: 108.068748

Percentage Composition: C 66.64%; H 7.46%; N 25.90%

Melting Point: Mp 25°

Boiling Point: Bp₇₅₄ 159.5°

Solubility: V. sol. H₂O

pKa Value: pK_a 2.7

Aldrich: D18320-2

Fluka: 41550

>>Derivative: Picrate

Melting Point: Mp 142-143°

>>Derivative: 1-Oxide

CAS Registry Number: 14161-42-3

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%

Melting Point: Mp 112°

References:

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Angerstein, H., *Ber.*, 1901, **34**, 3957

Hauser, C.R. *et al.*, *J.O.C.*, 1953, **18**, 588

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Hunt, A.L. *et al.*, *J.C.S.*, 1959, 525

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