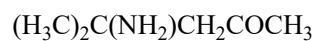




>>Entry Name: 4-Amino-4-methyl-2-pentanone, 9CI

Synonym(s): Diacetoneamine

CAS Registry Number: 625-04-7



Molecular Formula: $\text{C}_6\text{H}_{13}\text{NO}$

Molecular Weight: 115.175

Accurate Mass: 115.099714

Percentage Composition: C 62.57%; H 11.38%; N 12.16%; O 13.89%

Biological Source: Isol. from *Genista hystrix*, *Genista hystrix* ssp. *hystrix* and *Genista hystrix* ssp. *legionensis*

Boiling Point: Bp 178-181°. Bp_{0.2} 25°

Solubility: Mod. sol. H_2O

Other Data: Prob. an artifact

Aldrich: 18025-4

>>Derivative: Oxime

CAS Registry Number: 69151-99-1

Molecular Formula: $\text{C}_6\text{H}_{14}\text{N}_2\text{O}$

Molecular Weight: 130.189

Accurate Mass: 130.110613

Percentage Composition: C 55.35%; H 10.84%; N 21.52%; O 12.29%

Physical Description: Needles

Melting Point: Mp 58°

Boiling Point: Bp₁₄ 130°

References:

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Haeseler, P.R., *J.A.C.S.*, 1925, **47**, 1195, (*synth*)

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Smith, M.E. *et al.*, *J.A.C.S.*, 1938, **60**, 408, (*synth*)

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Steinegger, E. *et al.*, *Pharm. Acta Helv.*, 1976, **51**, 172; 203, (*isol*)