

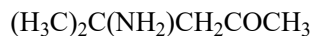


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>>Entry Name: **4-Amino-4-methyl-2-pentanone**, 9CI

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<sub>0.2</sub> 25°

Solubility: Mod. sol.  $\text{H}_2\text{O}$

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: Bp<sub>14</sub> 130°

#### References:

*Aldrich Library of  $^{13}\text{C}$  and  $^1\text{H}$  FT NMR Spectra*, 1992, **1**, 659B, (nmr)

*Aldrich Library of FT-IR Spectra*, 1st edn., 1985, **1**, 460A, (ir)

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

*Org. Synth.*, Coll. Vol., **1**, 1932, 191, (synth)

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

*U.S. Pat.*, 1950, 2 497 548; *CA*, **44**, 4494, (synth)

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