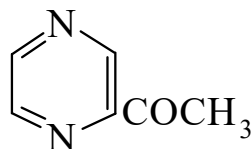




>>Entry Name: 2-Acetylpyrazine

Synonym(s): Methyl pyrazinyl ketone. 1-Pyrazinylethanone



CAS Registry Number: 22047-25-2

Molecular Formula: C₆H₆N₂O

Molecular Weight: 122.126

Accurate Mass: 122.048013

Percentage Composition: C 59.01%; H 4.95%; N 22.94%; O 13.10%

Physical Description: Cream cryst.

Melting Point: Mp 75-77°

Aldrich: 25180-1

>>Derivative: 2-Thiazolylhydrazone

CAS Registry Number: 73568-92-0

Molecular Formula: C₉H₉N₅S

Molecular Weight: 219.27

Accurate Mass: 219.057865

Percentage Composition: C 49.30%; H 4.14%; N 31.94%; S 14.62%

Use/Importance: Used as a 5mM soln. in aq. EtOH for photometric detn. of Co ($\lambda_{\max}$ 527 nm, ϵ 18600), Cu^{II} ($\lambda_{\max}$ 512 nm, ϵ 12600), Fe^{II} ($\lambda_{\max}$ 631 nm, ϵ 5800), Ni ($\lambda_{\max}$ 495 nm, ϵ 27300)

Physical Description: Cryst. (EtOH)

Melting Point: Mp 210°

Solubility: Sol. common org. solvs.

References:

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Schilt, A.A. *et al.*, *Talanta*, 1980, **27**, 55-58, (*thiazolylhydrazone, use*)

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