



>>Entry Name: 2-Amino-5-methylpyrazine, 8CI

Synonym(s): 5-Methylpyrazinamine, 9CI

CAS Registry Number: 5521-58-4

Molecular Formula: C₅H₇N₃

Molecular Weight: 109.13

Accurate Mass: 109.063997

Percentage Composition: C 55.03%; H 6.47%; N 38.50%

Physical Description: Needles (C₆H₆)

Melting Point: Mp 120-121° (116°)

>>Derivative: N-Ac

Molecular Formula: C₇H₉N₃O

Molecular Weight: 151.168

Accurate Mass: 151.074562

Percentage Composition: C 55.62%; H 6.00%; N 27.80%; O 10.58%

Melting Point: Mp 211-212°

Other Data: Sublimes above 195°

>>Derivative: 1-Oxide

CAS Registry Number: 28082-77-1

Molecular Formula: C₅H₇N₃O

Molecular Weight: 125.13

Accurate Mass: 125.058912

Percentage Composition: C 47.99%; H 5.64%; N 33.58%; O 12.79%

Physical Description: Solid (EtOAc/EtOH)

Melting Point: Mp 221-223°

>>Derivative: 4-Oxide

CAS Registry Number: 103965-77-1

Molecular Formula: C₅H₇N₃O

Molecular Weight: 125.13

Accurate Mass: 125.058912

Percentage Composition: C 47.99%; H 5.64%; N 33.58%; O 12.79%

Physical Description: Needles (EtOAc)

Melting Point: Mp 213-214°

References:

Weijlard, J. *et al.*, *J.A.C.S.*, 1945, **67**, 802, (*synth*)

Pitré, D. *et al.*, *Chem. Ber.*, 1966, **99**, 364; 1967, **100**, 560, (*synth, uv*)

Sato, N. *et al.*, *J. Het. Chem.*, 1980, **17**, 142; 1985, **22**, 1145; 1993, **30**, 841, (*synth, oxides*)