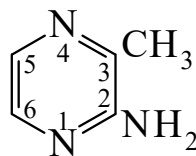




>>Entry Name: 2-Amino-3-methylpyrazine, 8CI

Synonym(s): 3-Methylpyrazinamine, 9CI



CAS Registry Number: 19838-08-5

Molecular Formula: C<sub>5</sub>H<sub>7</sub>N<sub>3</sub>

Molecular Weight: 109.13

Accurate Mass: 109.063997

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

Physical Description: Needles (hexane/EtOAc)

Melting Point: Mp 174° (169-171°)

>>Derivative: 1-Oxide

CAS Registry Number: 103965-75-9

Molecular Formula: C<sub>5</sub>H<sub>7</sub>N<sub>3</sub>O

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 (MeOH)

Melting Point: Mp 205-207°

>>Derivative: 4-Oxide

CAS Registry Number: 103965-76-0

Molecular Formula: C<sub>5</sub>H<sub>7</sub>N<sub>3</sub>O

Molecular Weight: 125.13

Accurate Mass: 125.058912

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

Melting Point: Mp 175-177°

Other Data: Sublimes

#### References:

Gainer, H. *et al.*, *J.O.C.*, 1961, **26**, 2360, (*synth*)

Cox, R.H. *et al.*, *J. Phys. Chem.*, 1968, **72**, 1642, (*pmr*)

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

Sato, N. *et al.*, *Synthesis*, 1994, 931, (*synth, pmr, ir*)