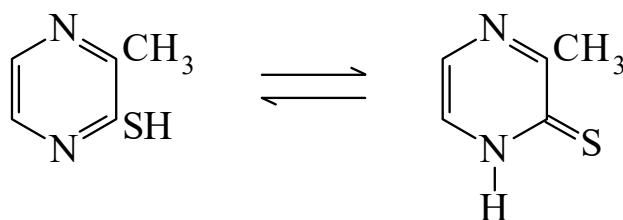




>>Entry Name: 3-Methyl-2-pyrazinethiol

ENTRY UNDER REVIEW

Synonym(s): 3-Methyl-2(1*H*)-pyrazinethione. 2-Mercapto-3-methylpyrazine



CAS Registry Number: 5271-25-0

Molecular Formula: C₅H₆N₂S

Molecular Weight: 126.182

Accurate Mass: 126.025168

Percentage Composition: C 47.59%; H 4.79%; N 22.20%; S 25.41%

Physical Description: Orange solid (H₂O)

Melting Point: Mp 180-182° (dec.)

>>Variant: *SH*-form

Molecular Formula: C₅H₆N₂S

Molecular Weight: 126.182

Accurate Mass: 126.025168

Percentage Composition: C 47.59%; H 4.79%; N 22.20%; S 25.41%

>>Derivative: *S*-Me

Synonym(s): 2-Methyl-3-(methylthio)pyrazine

CAS Registry Number: 2882-20-4

Molecular Formula: C₆H₈N₂S

Molecular Weight: 140.209

Accurate Mass: 140.040818

Percentage Composition: C 51.40%; H 5.75%; N 19.98%; S 22.87%

Biological Source: Constit. of coffee aroma

Boiling Point: Bp₂₃ 103-104°

References:

Fr. Pat., 1965, 1 391 212; *CA*, **62**, 16270g, (*deriv, synth*)

Cullen, J. *et al.*, *J.C.S.(C)*, 1966, 495-497, (*synth, ir, uv*)

Friedel, P. *et al.*, *J. Agric. Food Chem.*, 1971, **19**, 530-532, (*deriv, spectra*)

Kolor, M.G. *et al.*, *Org. Mass Spectrom.*, 1971, **5**, 959-966, (*deriv, ms*)

Bourguignon, J. *et al.*, *J. Het. Chem.*, 1980, **17**, 257-264, (*deriv, synth*)