



Melting Point: Mp 9°
Boiling Point: Bp₃₀ 66°
Refractive Index: n_D²⁰ 1.5150
Aldrich: 37727-9

>>Variant: 2*H*-form

Molecular Formula: C₄H₆N₂
Molecular Weight: 82.105
Accurate Mass: 82.053098
Percentage Composition: C 58.52%; H 7.37%; N 34.12%

>>Derivative: *N*-Me
Synonym(s): 1,5-Dimethyl-1*H*-pyrazole, 9CI

CAS Registry Number: 694-31-5
Molecular Formula: C₅H₈N₂
Molecular Weight: 96.132
Accurate Mass: 96.068748
Percentage Composition: C 62.47%; H 8.39%; N 29.14%
Physical Description: Liq.
Boiling Point: Bp 145-155°
Solubility: Sol. H₂O
pKa Value: p*K*_a 2.89 (20°)

>>Derivative: *N*-Me; hydrobromide

Melting Point: Mp 141-143°

>>Derivative: *N*-Me; picrate

CAS Registry Number: 740-92-1
Melting Point: Mp 172°

>>Derivative: *N*-Et
Synonym(s): 1-Ethyl-5-methyl-1*H*-pyrazole

CAS Registry Number: 43155-07-3
Molecular Formula: C₆H₁₀N₂
Molecular Weight: 110.158
Accurate Mass: 110.084398
Percentage Composition: C 65.42%; H 9.15%; N 25.43%
Physical Description: Liq.
Boiling Point: Bp 161°
Density: d₄²⁰ 0.951

>>Derivative: *N*-Et, picrate

Physical Description: Cryst.
Melting Point: Mp 143°

>>Derivative: *N*-Ph
Synonym(s): 5-Methyl-1-phenyl-1*H*-pyrazole, 9CI

CAS Registry Number: 6831-91-0
Molecular Formula: C₁₀H₁₀N₂
Molecular Weight: 158.202
Accurate Mass: 158.084398
Percentage Composition: C 75.92%; H 6.37%; N 17.71%
Physical Description: Oil with quinoline-like odour, or cryst.
Melting Point: Mp 33.5-36.5°
Boiling Point: Bp₇₆₂ 263.4°. Bp₁₉ 144-145°
Density: d₄²⁰ 1.086
Other Data: Steam volatile

>>Derivative: *N*-Ph; methiodide