



>>Derivative: *N*-Me

Synonym(s): 1,3-Dimethyl-1*H*-pyrazole

CAS Registry Number: 694-48-4

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 143-145°. Bp₄₄ 55°

Solubility: Sol. H₂O

pKa Value: p*K*_a 2.82 (20°)

>>Derivative: *N*-Me, hydrobromide

Physical Description: Cryst. (H₂O)

Melting Point: Mp 155°

>>Derivative: *N*-Me, picrate

CAS Registry Number: 1706-37-2

Physical Description: Cryst. (EtOH)

Melting Point: Mp 171° (137.5°)

>>Derivative: *N*-Et

Synonym(s): 1-Ethyl-3-methyl-1*H*-pyrazole

CAS Registry Number: 30433-57-9

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 152°

Density: d₄²⁰ 0.936

>>Derivative: *N*-Et, picrate

Physical Description: Yellow needles (MeOH)

Melting Point: Mp 114-115°

>>Derivative: *N*-Ph

Synonym(s): 3-Methyl-1-phenyl-1*H*-pyrazole, 9Ci

CAS Registry Number: 1128-54-7

Molecular Formula: C₁₀H₁₀N₂

Molecular Weight: 158.202

Accurate Mass: 158.084398

Percentage Composition: C 75.92%; H 6.37%; N 17.71%

Physical Description: Needles

Melting Point: Mp 37°

Boiling Point: Bp 255°. Bp_{0.25} 76-78°

Solubility: Sol. EtOH, petrol

Other Data: Weak base. Steam-volatile. λ_{max} 260 nm (ε 18000) (EtOH)

Aldrich: M7060-6

>>Derivative: *N*-Ph, methiodide

Physical Description: Cryst. (EtOH)

Melting Point: Mp 144°

Solubility: Spar. sol. Et₂O

>>Derivative: *N*-Vinyl

Synonym(s): 3-Methyl-1-vinyl-1*H*-pyrazole. 1-Ethenyl-3-methyl-1*H*-pyrazole