



>>Entry Name: 4-Phenylpyrazole, 9CI

CAS Registry Number: 10199-68-5

Molecular Formula: C₉H₈N₂

Molecular Weight: 144.176

Accurate Mass: 144.068748

Percentage Composition: C 74.98%; H 5.59%; N 19.43%

Physical Description: Plates (EtOH)

Melting Point: Mp 230°

Solubility: Sol. EtOH, C₆H₆; spar. sol. Et₂O

>>Derivative: *N*-Ac

CAS Registry Number: 40711-89-5

Molecular Formula: C₁₁H₁₀N₂O

Molecular Weight: 186.213

Accurate Mass: 186.079313

Percentage Composition: C 70.95%; H 5.41%; N 15.04%; O 8.59%

Physical Description: Needles (Et₂O or MeOH)

Melting Point: Mp 82°

>>Derivative: *N*-Benzoyl

CAS Registry Number: 40711-91-9

Molecular Formula: C₁₆H₁₂N₂O

Molecular Weight: 248.284

Accurate Mass: 248.094963

Percentage Composition: C 77.40%; H 4.87%; N 11.28%; O 6.44%

Physical Description: Plates (Et₂O)

Melting Point: Mp 128-129°

>>Derivative: *N*-Me

Synonym(s): 1-Methyl-4-phenyl-1*H*-pyrazole, 9CI

CAS Registry Number: 10199-69-6

Molecular Formula: C₁₀H₁₀N₂

Molecular Weight: 158.202

Accurate Mass: 158.084398

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

Physical Description: Cryst.

Melting Point: Mp 102-102.5°

>>Derivative: *N*-Ph

Synonym(s): 1,4-Diphenyl-1*H*-pyrazole, 9CI

CAS Registry Number: 15132-01-1

Molecular Formula: C₁₅H₁₂N₂

Molecular Weight: 220.273

Accurate Mass: 220.100048

Percentage Composition: C 81.79%; H 5.49%; N 12.72%

Physical Description: Yellowish leaflets (EtOH aq.)

Melting Point: Mp 97°

Solubility: Sol. Et₂O, C₆H₆, petrol

References: