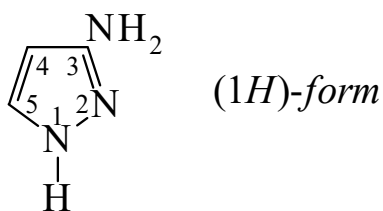




>>Entry Name: 3(5)-Aminopyrazole

Synonym(s): 1*H*-Pyrazol-3-amine, 9CI



CAS Registry Number: 1820-80-0

Molecular Formula: C₃H₅N₃

Molecular Weight: 83.093

Accurate Mass: 83.048347

Percentage Composition: C 43.36%; H 6.06%; N 50.57%

Physical Description: Viscous, hygroscopic oil or cryst.

Melting Point: Mp 37-39°

Boiling Point: Bp 282°. Bp₁₂₂ 218°

Aldrich: 16064-4

Fluka: 9335

>>Derivative: Hydrochloride

CAS Registry Number: 34045-29-9

Melting Point: Mp 190-192 dec.°

>>Derivative: Picrate

Physical Description: Cryst. (MeOH)

Melting Point: Mp 226-227° (222°)

>>Variant: 1*H*-form

Molecular Formula: C₃H₅N₃

Molecular Weight: 83.093

Accurate Mass: 83.048347

Percentage Composition: C 43.36%; H 6.06%; N 50.57%

>>Derivative: 1-Me

Synonym(s): 3-Amino-1-methylpyrazole

CAS Registry Number: 1904-31-0

Molecular Formula: C₄H₇N₃

Molecular Weight: 97.119

Accurate Mass: 97.063997

Percentage Composition: C 49.47%; H 7.26%; N 43.27%

Boiling Point: Bp_{0.12} 77-79°

pKa Value: p*K*_a 3.81 (25°, H₂O)

>>Derivative: 1-Me; hydrochloride

Melting Point: Mp 217-218°

>>Derivative: 1-Me, picrate

CAS Registry Number: 58876-77-0

Melting Point: Mp 176-178°

>>Derivative: 1-Benzyl

Molecular Formula: C₁₀H₁₁N₃

Molecular Weight: 173.217

Accurate Mass: 173.095297

Percentage Composition: C 69.34%; H 6.40%; N 24.26%

Melting Point: Mp 54-55° (40-45°)

Boiling Point: Bp_{0.25} 130°