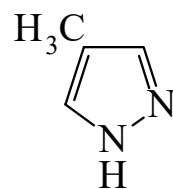




>>Entry Name: 4-Methylpyrazole, 9CI
Synonym(s): Fomepizole, INN, USAN. Antizol



CAS Registry Number: 7554-65-6

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

Biological Use/Importance: Antidote for methanol or ethylene glycol poisoning
Physical Description: Oil or cryst.
Development Status: Launched in the US (1998) and UK (1999)
Melting Point: Mp 15.8-18.5°. Mp 27.4°
Boiling Point: Bp₇₃₀ 204-205°. Bp₃ 70-73°
Density: d₄²⁰ 1.015
pKa Value: pK_a 3.09 (20°)
Refractive Index: n_D²⁰ 1.4950
Hazard & Toxicity: LD₅₀ (rat, orl) 650 mg/kg

Aldrich: 22256-9
Fluka: 69020
Sigma: M9888

>>Derivative: Hydrochloride

CAS Registry Number: 56010-88-9
Melting Point: Mp 157-159°
Aldrich: 28667-2
Sigma: M1387

>>Derivative: Picrate

Physical Description: Needles (H₂O)
Melting Point: Mp 142°

>>Derivative: *N*-Ac

CAS Registry Number: 70583-58-3
Molecular Formula: C₆H₈N₂O
Molecular Weight: 124.142
Accurate Mass: 124.063663
Percentage Composition: C 58.05%; H 6.50%; N 22.57%; O 12.89%
Physical Description: Liq.
Boiling Point: Bp₁₂ 68°

>>Derivative: *N*-(2-Nitrobenzoyl)

Physical Description: Needles (EtOH)
Melting Point: Mp 107°
Boiling Point: Bp₁₅ 209-211°

>>Derivative: *N*-Me

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

CAS Registry Number: 1072-68-0
Molecular Formula: C₅H₈N₂
Molecular Weight: 96.132
Accurate Mass: 96.068748
Percentage Composition: C 62.47%; H 8.39%; N 29.14%
Boiling Point: Bp₂₀ 148-150°