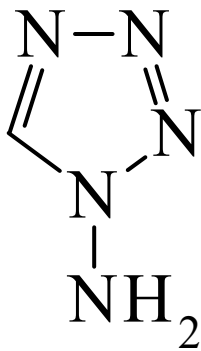




>>Entry Name: 1-Amino-1*H*-tetrazole

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



CAS Registry Number: 5378-49-4

Molecular Formula: CH₃N₅

Molecular Weight: 85.068

Accurate Mass: 85.038845

Percentage Composition: C 14.12%; H 3.55%; N 82.33%

Physical Description: Oil

Boiling Point: Bp_{0.7} 137-142°. Bp_{0.01} 118-120°

Hazard & Toxicity: Explosive

>>Derivative: *N*-Benzylidene

CAS Registry Number: 5378-50-7

Molecular Formula: C₈H₇N₅

Molecular Weight: 173.177

Accurate Mass: 173.070145

Percentage Composition: C 55.49%; H 4.07%; N 40.44%

Physical Description: Cryst. (C₆H₆/petrol)

Melting Point: Mp 92-93°

References:

Hagedorn, I. *et al.*, *Chem. Ber.*, 1966, **99**, 850, (*synth*)

Raap, R., *Can. J. Chem.*, 1969, **47**, 3677, (*synth, pmr*)