



**CAS Registry Number:** 1128-56-9  
**Molecular Formula:** C<sub>9</sub>H<sub>9</sub>N<sub>3</sub>  
**Molecular Weight:** 159.19  
**Accurate Mass:** 159.079647  
**Percentage Composition:** C 67.91%; H 5.70%; N 26.40%  
**Melting Point:** Mp 162-164° (as hydrochloride)  
**pKa Value:** pK<sub>a</sub> 2.66

>>Variant: 2H-form

**Molecular Formula:** C<sub>3</sub>H<sub>5</sub>N<sub>3</sub>  
**Molecular Weight:** 83.093  
**Accurate Mass:** 83.048347  
**Percentage Composition:** C 43.36%; H 6.06%; N 50.57%

>>Derivative: 2-Me  
Synonym(s): 5-Amino-1-methylpyrazole

**CAS Registry Number:** 1192-21-8  
**Molecular Formula:** C<sub>4</sub>H<sub>7</sub>N<sub>3</sub>  
**Molecular Weight:** 97.119  
**Accurate Mass:** 97.063997  
**Percentage Composition:** C 49.47%; H 7.26%; N 43.27%  
**pKa Value:** pK<sub>a</sub> 4.23 (25°, H<sub>2</sub>O)

>>Derivative: 2-Me; hydrochloride

**CAS Registry Number:** 32016-34-5  
**Melting Point:** Mp 141-143°

>>Derivative: 2-Me, picrate

**CAS Registry Number:** 1904-34-3  
**Physical Description:** Large yellow prisms (MeOH)  
**Melting Point:** Mp 221-224°

>>Derivative: 2-Ph  
Synonym(s): 5-Amino-1-phenylpyrazole

**CAS Registry Number:** 826-85-7  
**Molecular Formula:** C<sub>9</sub>H<sub>9</sub>N<sub>3</sub>  
**Molecular Weight:** 159.19  
**Accurate Mass:** 159.079647  
**Percentage Composition:** C 67.91%; H 5.70%; N 26.40%  
**Melting Point:** Mp 182-185 dec.° (as hydrochloride)  
**pKa Value:** pK<sub>a</sub> 3.23

**Rare Chemicals Library:** S43807-3

#### References:

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*Org. Synth.*, 1968, **48**, 8, (synth)  
Cusack, N.J. *et al.*, *J.C.S.(C)*, 1971, 1501, (derivs)  
Dorn, H. *et al.*, *J. Prakt. Chem.*, 1973, **315**, 382, (tautom)  
Ege, G. *et al.*, *Synthesis*, 1976, 52, (synth, pmr, derivs)  
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