



CAS Registry Number: 88320-47-2
Molecular Formula: C₉H₁₃N₃O₃
Molecular Weight: 211.22
Accurate Mass: 211.095692
Percentage Composition: C 51.18%; H 6.20%; N 19.89%; O 22.72%
Melting Point: Mp 101-103°

>>Derivative: 2-Me, N³-Ac, nitrile

CAS Registry Number: 5334-42-9
Molecular Formula: C₇H₈N₄O
Molecular Weight: 164.166
Accurate Mass: 164.069811
Percentage Composition: C 51.21%; H 4.91%; N 34.13%; O 9.75%
Physical Description: Cryst. (toluene)
Melting Point: Mp 138-139°

>>Derivative: 2-Benzyl, nitrile
Synonym(s): 5-Amino-1-benzyl-4-cyanopyrazole

CAS Registry Number: 91091-13-3
Molecular Formula: C₁₁H₁₀N₄
Molecular Weight: 198.227
Accurate Mass: 198.090546
Percentage Composition: C 66.65%; H 5.08%; N 28.26%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 184-185.5°

>>Derivative: 2-Ph, amide

CAS Registry Number: 50427-77-5
Molecular Formula: C₁₀H₁₀N₄O
Molecular Weight: 202.215
Accurate Mass: 202.085461
Percentage Composition: C 59.40%; H 4.98%; N 27.71%; O 7.91%
Physical Description: Cryst. (H₂O)
Melting Point: Mp 172-173°
Aldrich: A7380-0
Rare Chemicals Library: S41413-1

>>Derivative: 2-Ph, nitrile
Synonym(s): 5-Amino-4-cyano-1-phenyl-1*H*-pyrazole

CAS Registry Number: 5334-43-0
Molecular Formula: C₁₀H₈N₄
Molecular Weight: 184.2
Accurate Mass: 184.074896
Percentage Composition: C 65.21%; H 4.38%; N 30.42%
Physical Description: Cryst. (H₂O)
Melting Point: Mp 140°
Rare Chemicals Library: S34098-7

References:

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Hartke, K. *et al.*, *Arch. Pharm. (Weinheim, Ger.)*, 1966, **299**, 914, (*2-Ac, Et ester*)
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Straley, J.M. *et al.*, *CA*, 1970, **73**, 78529, (*Me ester*)
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Finlander, P. *et al.*, *Chem. Scr.*, 1983, **22**, 171; 1984, **23**, 23, (*derivs*)
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