



>>Entry Name: 4-Amino-1*H*-pyrazole-3-carboxylic acid, 9CI

Synonym(s): 4-Amino-1*H*-pyrazole-5-carboxylic acid, 9CI

Molecular Formula: C₄H₅N₃O₂

Molecular Weight: 127.102

Accurate Mass: 127.038177

Percentage Composition: C 37.80%; H 3.96%; N 33.06%; O 25.18%

Physical Description: Flakes (H₂O)

Melting Point: Mp 212.5 dec.°

Other Data: 1-Unsubstituted derivs. tautomeric with the 5-carboxylic acid

>>Derivative: Et ester

CAS Registry Number: 55904-61-5

Molecular Formula: C₆H₉N₃O₂

Molecular Weight: 155.156

Accurate Mass: 155.069477

Percentage Composition: C 46.45%; H 5.85%; N 27.08%; O 20.62%

Melting Point: Mp 90-92°

>>Derivative: Amide

CAS Registry Number: 67221-50-5

Molecular Formula: C₄H₆N₄O

Molecular Weight: 126.118

Accurate Mass: 126.054161

Percentage Composition: C 38.09%; H 4.80%; N 44.42%; O 12.69%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 181-182°

>>Derivative: Nitrile

Synonym(s): 4-Amino-3-cyanopyrazole

CAS Registry Number: 68703-67-3

Molecular Formula: C₄H₄N₄

Molecular Weight: 108.102

Accurate Mass: 108.043596

Percentage Composition: C 44.44%; H 3.73%; N 51.83%

Physical Description: Prisms (H₂O or by subl.)

Melting Point: Mp 143.5-145°

>>Variant: 1*H*-form

Molecular Formula: C₄H₅N₃O₂

Molecular Weight: 127.102

Accurate Mass: 127.038177

Percentage Composition: C 37.80%; H 3.96%; N 33.06%; O 25.18%

>>Derivative: 1-Ph

CAS Registry Number: 64299-26-9

Molecular Formula: C₁₀H₉N₃O₂

Molecular Weight: 203.2

Accurate Mass: 203.069477

Percentage Composition: C 59.11%; H 4.46%; N 20.68%; O 15.75%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 223-225°