



Percentage Composition: C 43.48%; H 4.38%; N 40.56%; O 11.58%

Physical Description: Long yellowish needles (H₂O)

Melting Point: Mp 244-245° (234-236°)

>>**Derivative:** Amide, *N*⁴-oxide

CAS Registry Number: 54632-18-7

Molecular Formula: C₅H₆N₄O₂

Molecular Weight: 154.128

Accurate Mass: 154.049076

Percentage Composition: C 38.96%; H 3.92%; N 36.35%; O 20.76%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 230-232°

>>**Derivative:** Nitrile

Synonym(s): 2-Amino-3-cyanopyrazine

CAS Registry Number: 25911-65-3

Molecular Formula: C₅H₄N₄

Molecular Weight: 120.113

Accurate Mass: 120.043596

Percentage Composition: C 50.00%; H 3.36%; N 46.64%

Physical Description: Long pale-yellow needles (H₂O)

Melting Point: Mp 192° (186-188°)

>>**Derivative:** Nitrile, *N*⁴-oxide

Synonym(s): 2-Amino-3-cyanopyrazine 1-oxide

CAS Registry Number: 42770-07-0

Molecular Formula: C₅H₄N₄O

Molecular Weight: 136.113

Accurate Mass: 136.038511

Percentage Composition: C 44.12%; H 2.96%; N 41.16%; O 11.75%

Physical Description: Pale yellow plates (DMF/EtOH)

Melting Point: Mp 267 dec.°

>>**Derivative:** Nitrile, *N*¹,*N*⁴-dioxide

CAS Registry Number: 54632-16-5

Molecular Formula: C₅H₄N₄O₂

Molecular Weight: 152.112

Accurate Mass: 152.033426

Percentage Composition: C 39.48%; H 2.65%; N 36.83%; O 21.04%

Melting Point: Mp 255 dec.°

>>**Derivative:** *N*-Ac

Molecular Formula: C₇H₇N₃O₃

Molecular Weight: 181.151

Accurate Mass: 181.048742

Percentage Composition: C 46.41%; H 3.89%; N 23.20%; O 26.50%

Physical Description: Cryst. (EtOH)

Other Data: Mp >300°

References: