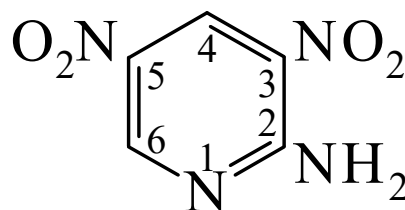




>>Entry Name: 2-Amino-3,5-dinitropyridine, 8Cl

Synonym(s): 3,5-Dinitro-2-pyridinamine, 9Cl



CAS Registry Number: 3073-30-1

Molecular Formula: C₅H₄N₄O₄

Molecular Weight: 184.111

Accurate Mass: 184.023256

Percentage Composition: C 32.62%; H 2.19%; N 30.43%; O 34.76%

Physical Description: Yellow cryst.

Melting Point: Mp 191-192°

pKa Value: pK_a 13.8 (as acid)

Rare Chemicals Library: S94225-1

>>Derivative: N-Me

CAS Registry Number: 19404-40-1

Molecular Formula: C₆H₆N₄O₄

Molecular Weight: 198.138

Accurate Mass: 198.038906

Percentage Composition: C 36.37%; H 3.05%; N 28.28%; O 32.30%

Melting Point: Mp 163°

>>Derivative: N,N-Di-Me

CAS Registry Number: 14585-26-3

Molecular Formula: C₇H₈N₄O₄

Molecular Weight: 212.165

Accurate Mass: 212.054556

Percentage Composition: C 39.63%; H 3.80%; N 26.41%; O 30.16%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 119°

>>Derivative: N,N-Di-Et

Molecular Formula: C₉H₁₂N₄O₄

Molecular Weight: 240.218

Accurate Mass: 240.085856

Percentage Composition: C 45.00%; H 5.03%; N 23.32%; O 26.64%

Melting Point: Mp 59°

>>Derivative: N-Ph

CAS Registry Number: 18617-42-0

Molecular Formula: C₁₁H₈N₄O₄

Molecular Weight: 260.209

Accurate Mass: 260.054556

Percentage Composition: C 50.78%; H 3.10%; N 21.53%; O 24.59%

Melting Point: Mp 149°

References:

- Tschitschibabin, A.E. *et al.*, *J.C.S.*, 1915, **108**, 992, (*synth*)
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