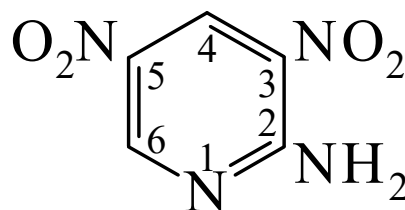




>>Entry Name: 2-Amino-3,5-dinitropyridine, 8Cl

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



CAS Registry Number: 3073-30-1

Molecular Formula: C<sub>5</sub>H<sub>4</sub>N<sub>4</sub>O<sub>4</sub>

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<sub>a</sub> 13.8 (as acid)

Rare Chemicals Library: S94225-1

>>Derivative: N-Me

CAS Registry Number: 19404-40-1

Molecular Formula: C<sub>6</sub>H<sub>6</sub>N<sub>4</sub>O<sub>4</sub>

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: C<sub>7</sub>H<sub>8</sub>N<sub>4</sub>O<sub>4</sub>

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: C<sub>9</sub>H<sub>12</sub>N<sub>4</sub>O<sub>4</sub>

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: C<sub>11</sub>H<sub>8</sub>N<sub>4</sub>O<sub>4</sub>

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:

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de Bie, D.A. *et al.*, *J.O.C.*, 1985, **50**, 484, (*synth, pmr, cmr*)  
Woźniak, M. *et al.*, *Annalen*, 1993, 7, (*synth, pmr*)  
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