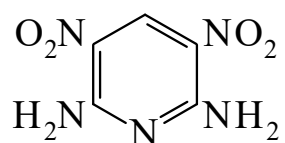




>>Entry Name: **2,6-Diamino-3,5-dinitropyridine**

Synonym(s): 3,5-Dinitro-2,6-pyridinediamine, 9Cl



CAS Registry Number: 34981-11-8

Molecular Formula: C₅H₅N₅O₄

Molecular Weight: 199.126

Accurate Mass: 199.034155

Percentage Composition: C 30.16%; H 2.53%; N 35.17%; O 32.14%

Physical Description: Yellow plates (dioxan)

Melting Point: Mp 348-350 dec.°

Rare Chemicals Library: S25497-5

>>Derivative: N¹-Oxide

CAS Registry Number: 132683-64-8

Molecular Formula: C₅H₅N₅O₅

Molecular Weight: 215.125

Accurate Mass: 215.02907

Percentage Composition: C 27.92%; H 2.34%; N 32.55%; O 37.19%

Physical Description: Yellow powder

Melting Point: Mp 340 dec.°

>>Derivative: 2*N*,6*N*-Bis(2,4,6-trinitrophenyl)

Synonym(s): 2,6-Bis(picrylamino)-3,5-dinitropyridine

CAS Registry Number: 38082-89-2

Molecular Formula: C₁₇H₇N₁₁O₁₆

Molecular Weight: 621.306

Accurate Mass: 621.007229

Percentage Composition: C 32.86%; H 1.14%; N 24.80%; O 41.20%

Use/Importance: Thermally stable high explosive

Physical Description: Cryst.

Other Data: Begins to dec. without melting at 350°

References:

Williams, R.L. *et al.*, *J. Het. Chem.*, 1971, **8**, 841, (*synth, ir, pmr*)

Coburn, M.D. *et al.*, *J. Het. Chem.*, 1972, **9**, 1039, (*picryl deriv, synth, pmr*)

Ritter, H. *et al.*, *Magn. Reson. Chem.*, 1993, **31**, 364, (*pmr*)

Ritter, H. *et al.*, *J. Het. Chem.*, 1995, **32**, 585, (*oxide, synth, pmr*)