



>>Entry Name: **2,6-Dihydroxy-3-nitropyridine**

Synonym(s): 6-Hydroxy-3-nitro-2(1*H*)-pyridone

CAS Registry Number: 16013-84-6

Structure by analogy with 2,4-Dihydroxy-3-nitropyridine, [FWP21-C](#)

Molecular Formula: C₅H₄N₂O₄

Molecular Weight: 156.098

Accurate Mass: 156.017108

Percentage Composition: C 38.47%; H 2.58%; N 17.95%; O 41.00%

Physical Description: Yellow cryst. (H₂O)

Melting Point: Mp 150 dec., 321° dec.°

>>Derivative: 6-Me ether

Synonym(s): 2-Hydroxy-6-methoxy-3-nitropyridine

CAS Registry Number: 26149-11-1

Molecular Formula: C₆H₆N₂O₄

Molecular Weight: 170.124

Accurate Mass: 170.032758

Percentage Composition: C 42.36%; H 3.55%; N 16.47%; O 37.62%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 172-173°

>>Derivative: 1-*N*-Me

CAS Registry Number: 26149-12-2

Molecular Formula: C₆H₆N₂O₄

Molecular Weight: 170.124

Accurate Mass: 170.032758

Percentage Composition: C 42.36%; H 3.55%; N 16.47%; O 37.62%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 160° (dec.)

References:

Titov, A.I., *J. Gen. Chem. USSR (Engl. Transl.)*, 1938, **8**, 1483; *CA*, **33**, 4248

Katritzky, A.R. *et al.*, *J.C.S.(B)*, 1970, 114