



>>Entry Name: 2-Hydroxy-4-nitropyridine

Synonym(s): 4-Nitro-2(1*H*)-pyridinone, 9CI

CAS Registry Number: 4487-51-8

Molecular Formula: C₅H₄N₂O₃

Molecular Weight: 140.098

Accurate Mass: 140.022193

Percentage Composition: C 42.87%; H 2.88%; N 20.00%; O 34.26%

Physical Description: Cryst.

Melting Point: Mp 242 dec.°

>>Derivative: Me ether

Synonym(s): 2-Methoxy-4-nitropyridine

CAS Registry Number: 18614-54-5

Molecular Formula: C₆H₆N₂O₃

Molecular Weight: 154.125

Accurate Mass: 154.037843

Percentage Composition: C 46.76%; H 3.92%; N 18.18%; O 31.14%

Physical Description: Cryst.

Melting Point: Mp 106°

>>Derivative: Me ether, *N*-oxide

CAS Registry Number: 14395-39-2

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: Yellow solid

Melting Point: Mp 176-178 dec.° (154.5-158.5 dec.)

References:

Den Hertog, H.J. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1955, **74**, 1160, (*deriv, synth*)

Talik, T. *et al.*, *Rocz. Chem.*, 1967, **41**, 1721, (*synth*)

Yamamoto, J. *et al.*, *Tetrahedron*, 1981, **37**, 1871, (*synth*)

Webber, S.E. *et al.*, *J. Med. Chem.*, 1993, **36**, 733, (*deriv, synth, ir, pmr*)