



>>Entry Name: 5-Hydroxy-2-nitropyridine

Synonym(s): 6-Nitro-3-pyridinol, 8Cl

CAS Registry Number: 15206-26-5

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%

Melting Point: Mp 213.5-215°

Boiling Point: Bp₁ 140° subl.

>>Derivative: Ac

Molecular Formula: C₇H₆N₂O₄

Molecular Weight: 182.135

Accurate Mass: 182.032758

Percentage Composition: C 46.16%; H 3.32%; N 15.38%; O 35.14%

Melting Point: Mp 111-112°

>>Derivative: Et ether

Synonym(s): 5-Ethoxy-2-nitropyridine

Molecular Formula: C₇H₈N₂O₃

Molecular Weight: 168.152

Accurate Mass: 168.053493

Percentage Composition: C 50.00%; H 4.80%; N 16.66%; O 28.54%

Physical Description: Pale-yellow cryst. (EtOH)

Melting Point: Mp 31-32°

Boiling Point: Bp₅₀ 175°

References:

Koenigs, W. *et al.*, *Ber.*, 1928, **61**, 1022

DeSelms, R.C., *J.O.C.*, 1968, **33**, 478, (*synth*)