



>>Entry Name: 2-Fluoro-5-nitropyridine, 9CI

CAS Registry Number: 456-24-6

Structure by analogy with 2-Fluoro-3-nitropyridine, [KLN70-K](#)

Molecular Formula: $C_5H_3FN_2O_2$

Molecular Weight: 142.089

Accurate Mass: 142.017856

Percentage Composition: C 42.27%; H 2.13%; F 13.37%; N 19.72%; O 22.52%

Use/Importance: Can be used to determine N-terminal amino acids in proteins

Melting Point: Mp 19-21°

Boiling Point: Bp₇ 86-87°

Density: d_{23}^{23} 1.41

Refractive Index: n_D^{25} 1.5243

Hazard & Toxicity: Lachrymator, skin irritant

References:

Gruber, W., *Can. J. Chem.*, 1953, **31**, 1020, (*synth, uv*)

Finger, G.C. *et al.*, *J.A.C.S.*, 1959, **81**, 2674, (*synth*)

Signor, A. *et al.*, *Eur. J. Biochem.*, 1969, **7**, 328, (*use*)

Giam, C.S. *et al.*, *J.C.S.(B)*, 1970, 1516, (*synth, F-19 nmr*)

Thomas, W.A. *et al.*, *Org. Magn. Reson.*, 1970, **2**, 503, (*pmr, F-19 nmr*)

Clark, J.H. *et al.*, *Tet. Lett.*, 1987, **28**, 111, (*synth*)

Rewcastle, G.W. *et al.*, *J.C.S. Perkin 1*, 1996, 2221, (*synth, pmr, F-19 nmr, cmr*)