



>>Entry Name: 3-Fluoro-4-nitropyridine, 9CI

CAS Registry Number: 13505-01-6

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

Molecular Formula: C₅H₃FN₂O₂

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: Reacts with N-terminal amino acids to form crystalline products

Boiling Point: Bp₅ 62-64°

>>Derivative: 1-Oxide

CAS Registry Number: 769-54-0

Molecular Formula: C₅H₃FN₂O₃

Molecular Weight: 158.089

Accurate Mass: 158.012771

Percentage Composition: C 37.99%; H 1.91%; F 12.02%; N 17.72%; O 30.36%

Physical Description: Pale yellow plates (petrol)

Melting Point: Mp 128° (122°)

References:

Talik, T. *et al.*, *Pol. J. Chem. (Rocz. Chem.)*, 1964, **38**, 777; 785; 1966, **40**, 1187; *CA*, **61**, 10653c; **66**, 11165u, (*synth, use*)

Bellas, M. *et al.*, *J.C.S.*, 1965, 2096, (*oxide, uv, ir*)

Plé, N. *et al.*, *J. Het. Chem.*, 1973, **10**, 1073, (*oxide*)