



>>Entry Name: **3-Fluoro-4-nitroaniline**

Synonym(s): 3-Fluoro-4-nitrobenzenamine, 9CI

CAS Registry Number: 2369-13-3

Structure by analogy with 2-Fluoro-3-nitroaniline, [FFZ62-Y](#)

Molecular Formula: $C_6H_5FN_2O_2$

Molecular Weight: 156.116

Accurate Mass: 156.033506

Percentage Composition: C 46.16%; H 3.23%; F 12.17%; N 17.94%; O 20.50%

Physical Description: Yellow cryst. (EtOH aq.)

Melting Point: Mp 153°

>>Derivative: *N*-Ac

Synonym(s): 3-Fluoro-4-nitroacetanilide

CAS Registry Number: 345-30-2

Molecular Formula: $C_8H_7FN_2O_3$

Molecular Weight: 198.153

Accurate Mass: 198.044071

Percentage Composition: C 48.49%; H 3.56%; F 9.59%; N 14.14%; O 24.22%

Melting Point: Mp 138°

References:

Hodgson, H.H. *et al.*, *J.C.S.*, 1941, 766, (*synth*)

Ishikawa, N. *et al.*, *Kogyo Kagaku Zasshi*, 1967, **70**, 1530, (*synth*, *nmr*)