



>>Entry Name: 3-Fluoro-2-nitrophenol

CAS Registry Number: 385-01-3

Structure by analogy with 2-Fluoro-4-nitrophenol, [DTN58-R](#)

Molecular Formula: $C_6H_4FNO_3$

Molecular Weight: 157.101

Accurate Mass: 157.017522

Percentage Composition: C 45.87%; H 2.57%; F 12.09%; N 8.92%; O 30.55%

Physical Description: Red needles (petrol)

Melting Point: Mp 39°

Other Data: Steam-volatile

>>Derivative: O-Benzoyl

Molecular Formula: $C_{13}H_8FNO_4$

Molecular Weight: 261.209

Accurate Mass: 261.043737

Percentage Composition: C 59.78%; H 3.09%; F 7.27%; N 5.36%; O 24.50%

Melting Point: Mp 114°

>>Derivative: Me ether

Synonym(s): 1-Fluoro-3-methoxy-2-nitrobenzene. 3-Fluoro-2-nitroanisole

Molecular Formula: $C_7H_6FNO_3$

Molecular Weight: 171.128

Accurate Mass: 171.033172

Percentage Composition: C 49.13%; H 3.53%; F 11.10%; N 8.18%; O 28.05%

Physical Description: Needles (petrol)

Melting Point: Mp 43.5°

References:

Hodgson, H.H. *et al.*, *J.C.S.*, 1928, 1879, (*synth*)