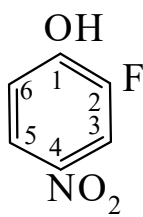




>>Entry Name: 2-Fluoro-4-nitrophenol



CAS Registry Number: 403-19-0

Molecular Formula: C₆H₄FNO₃

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: Pale-yellow plates or white fluffy needles (H₂O)

Melting Point: Mp 117-118°

Aldrich: 34506-7

>>Derivative: Me ether

Synonym(s): 2-Fluoro-1-methoxy-4-nitrobenzene. 2-Fluoro-4-nitroanisole

CAS Registry Number: 455-93-6

Molecular Formula: C₇H₆FNO₃

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%

Melting Point: Mp 104.5-106°

Aldrich: 33486-3

>>Derivative: Et ether

Synonym(s): 1-Ethoxy-2-fluoro-4-nitrobenzene. 2-Fluoro-4-nitrophenetole

Molecular Formula: C₈H₈FNO₃

Molecular Weight: 185.154

Accurate Mass: 185.048822

Percentage Composition: C 51.90%; H 4.35%; F 10.26%; N 7.56%; O 25.92%

Melting Point: Mp 77°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 728A; 733C, (*nmr*)

Schiemann, G. *et al.*, *Ber.*, 1933, **66**, 79

Berg, S.S. *et al.*, *J.C.S.*, 1949, 642, (*synth*)