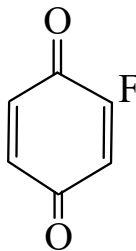




>>Entry Name: Fluoro-1,4-benzoquinone

Synonym(s): 2-Fluoro-2,5-cyclohexadiene-1,4-dione, 9CI. Fluoroquinone



CAS Registry Number: 367-28-2

Molecular Formula: $C_6H_3FO_2$

Molecular Weight: 126.087

Accurate Mass: 126.011708

Percentage Composition: C 57.16%; H 2.40%; F 15.07%; O 25.38%

Physical Description: Pale-yellow cryst.

Melting Point: Mp 80.5-81.5°

>>Derivative: 1-Oxime

CAS Registry Number: 39495-33-5

Molecular Formula: $C_6H_4FNO_2$

Molecular Weight: 141.101

Accurate Mass: 141.022607

Percentage Composition: C 51.07%; H 2.86%; F 13.46%; N 9.93%; O 22.68%

Physical Description: Pale-yellow prisms (Et₂O/petrol)

Other Data: Darkens >135° without melting

>>Derivative: 4-Oxime

CAS Registry Number: 22785-53-1

Molecular Formula: $C_6H_4FNO_2$

Molecular Weight: 141.101

Accurate Mass: 141.022607

Percentage Composition: C 51.07%; H 2.86%; F 13.46%; N 9.93%; O 22.68%

Physical Description: Pale-yellow cryst. (C₆H₆)

Melting Point: Mp 142-143 dec.°

References:

Hammond, P.R., *J.C.S.*, 1964, 471, (*synth*)

Norris, R.K. *et al.*, *Aust. J. Chem.*, 1969, **22**, 935; 1972, **25**, 2621, (*derivs*)

Feiring, A.E. *et al.*, *J.O.C.*, 1975, **40**, 2543, (*synth, ir, nmr*)

Hudlicky, M. *et al.*, *J. Fluorine Chem.*, 1975, **6**, 201, (*nmr*)