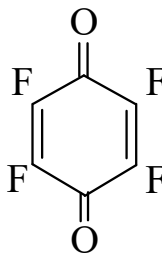




>>Entry Name: Tetrafluoro-1,4-benzoquinone

Synonym(s): 2,3,5,6-Tetrafluoro-2,5-cyclohexadiene-1,4-dione, 9Cl. Fluoranyl



CAS Registry Number: 527-21-9

Molecular Formula: C₆F₄O₂

Molecular Weight: 180.058

Accurate Mass: 179.983442

Percentage Composition: C 40.02%; F 42.20%; O 17.77%

Use/Importance: Spray reagent for thin-layer chromatog. detn. of alkaloids, penicillins, etc.

Physical Description: Yellow cryst.

Melting Point: Mp 182-185° (179°)

Aldrich: 10435-3

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 715B, (*nmr*)

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Wallenfels, K. *et al.*, *Chem. Ber.*, 1957, **90**, 2819, (*synth*)

Nield, E. *et al.*, *Tetrahedron*, 1960, **8**, 38, (*synth*)

Kikot, B.S. *et al.*, *J. Gen. Chem. USSR (Engl. Transl.)*, 1968, **38**, 883, (*ir*)

Meresse, A. *et al.*, *Acta Cryst. B*, 1974, **30**, 524, (*cryst struct*)

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

Agarwal, S.P. *et al.*, *J. Chromatogr.*, 1985, **323**, 424, (*use*)

Hagen, K. *et al.*, *Acta Cryst. C*, 1987, **43**, 1959, (*cryst struct*)