



>>Entry Name: 6-Fluoro-1*H*-indole, 9CI

CAS Registry Number: 399-51-9

Structure by analogy with 3-Fluoro-1*H*-indole, [HFN19-E](#)

Molecular Formula: C<sub>8</sub>H<sub>6</sub>FN

Molecular Weight: 135.14

Accurate Mass: 135.048427

Percentage Composition: C 71.10%; H 4.47%; F 14.06%; N 10.36%

Physical Description: Cryst. (Et<sub>2</sub>O/petrol)

Melting Point: Mp 75-76°

Aldrich: 34959-3

Fluka: 47085

Sigma: F1876

>>Derivative: Picrate

Physical Description: Orange-red cryst. (C<sub>6</sub>H<sub>6</sub>)

Melting Point: Mp 147-148°

#### References:

Allen, F.L. *et al.*, *J.C.S.*, 1955, 1283; 1286, (*synth, uv, derivs*)

Bergmann, E.D. *et al.*, *J.C.S.*, 1959, 1913, (*synth*)

Bentov, M. *et al.*, *J.C.S.*, 1962, 2825, (*synth*)

Sugasawa, T. *et al.*, *J.O.C.*, 1979, **44**, 478, (*synth*)

Guo, W. *et al.*, *Magn. Reson. Chem.*, 1986, **24**, 75, (*F-19 nmr, cmr*)

Ayachit, N.H. *et al.*, *Spectrochim. Acta A*, 1986, **42**, 781, (*uv, ir*)