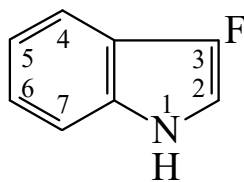




>>Entry Name: 3-Fluoro-1*H*-indole, 9CI



CAS Registry Number: 66946-81-4

Molecular Formula: C₈H₆FN

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. or liq.

Melting Point: Mp 20°

>>Derivative: *N*-(4-Methylbenzenesulfonyl)

Synonym(s): 3-Fluoro-1-tosylindole

Molecular Formula: C₁₅H₁₂FNO₂S

Molecular Weight: 289.33

Accurate Mass: 289.057277

Percentage Composition: C 62.27%; H 4.18%; F 6.57%; N 4.84%; O 11.06%; S 11.08%

Physical Description: Powder

Melting Point: Mp 87-88°

>>Derivative: *N*-Me

CAS Registry Number: 221665-95-8

Molecular Formula: C₉H₈FN

Molecular Weight: 149.167

Accurate Mass: 149.064077

Percentage Composition: C 72.47%; H 5.41%; F 12.74%; N 9.39%

Physical Description: Oil

>>Derivative: *N*-Benzyl

CAS Registry Number: 221665-94-7

Molecular Formula: C₁₅H₁₂FN

Molecular Weight: 225.265

Accurate Mass: 225.095377

Percentage Composition: C 79.98%; H 5.37%; F 8.43%; N 6.22%

Physical Description: Oil

References:

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Hodson, H.F. *et al.*, *Tetrahedron*, 1994, **50**, 1899, (*N-tosyl*)

Torres, J.C. *et al.*, *Tetrahedron*, 1999, **55**, 1881-1892, (*synth, nmr, derivs*)