



>>Entry Name: 1-(3-Fluorophenyl)-2-propanone, 9CI

Synonym(s): (*m*-Fluorophenyl)acetone. *m*-Fluorobenzyl methyl ketone

CAS Registry Number: 1737-19-5

Structure by analogy with 1-(2-Fluorophenyl)-2-propanone, [JLG81-U](#)

Molecular Formula: C<sub>9</sub>H<sub>9</sub>FO

Molecular Weight: 152.168

Accurate Mass: 152.063743

Percentage Composition: C 71.04%; H 5.96%; F 12.49%; O 10.51%

Boiling Point: Bp<sub>13</sub> 101°. Bp<sub>0.1</sub> 53-54°

Refractive Index: n<sub>D</sub><sup>25</sup> 1.4942

#### References:

Eckstein, Z. *et al.*, *Pol. J. Chem. (Rocz. Chem.)*, 1963, **37**, 907; *CA*, **60**, 8573c, (*synth*)

Adcock, W. *et al.*, *Aust. J. Chem.*, 1970, **23**, 1921, (*synth*, *F-19 nmr*)

Kurz, M.E. *et al.*, *J.O.C.*, 1984, **49**, 1603, (*synth*, *pmr*, *ir*)