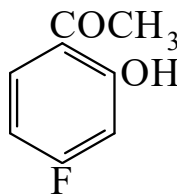




>>Entry Name: 4'-Fluoro-2'-hydroxyacetophenone

Synonym(s): 1-(4-Fluoro-2-hydroxyphenyl)ethanone. 2-Acetyl-5-fluorophenol



CAS Registry Number: 1481-27-2

Molecular Formula: C₈H₇FO₂

Molecular Weight: 154.14

Accurate Mass: 154.043008

Percentage Composition: C 62.34%; H 4.58%; F 12.33%; O 20.76%

Melting Point: Mp 24°

Aldrich: 46696-4

Other: Oakwood 3064

>>Derivative: Me ether

Synonym(s): 4'-Fluoro-2'-methoxyacetophenone

CAS Registry Number: 51788-80-8

Molecular Formula: C₉H₉FO₂

Molecular Weight: 168.167

Accurate Mass: 168.058658

Percentage Composition: C 64.28%; H 5.39%; F 11.30%; O 19.03%

Physical Description: Oil

>>Derivative: Et ether

Synonym(s): 2'-Ethoxy-4'-fluoroacetophenone

CAS Registry Number: 51788-79-5

Molecular Formula: C₁₀H₁₁FO₂

Molecular Weight: 182.194

Accurate Mass: 182.074308

Percentage Composition: C 65.92%; H 6.09%; F 10.43%; O 17.56%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 83-84°

References:

Chang, C.T. *et al.*, *J.C.S.*, 1961, 3155-3156, (*synth*)

Belsham, M.G. *et al.*, *J.C.S. Perkin 2*, 1974, 119-125, (*synth, F-19 nmr, conformn, Me ether, Et ether*)

Spitzer, W. *et al.*, *J. Med. Chem.*, 1988, **31**, 1590-1595, (*synth, Me ether*)