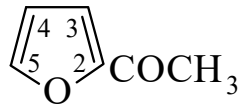
>>**Entry Name: 2-Acetylfuran**
ENTRY UNDER REVIEW
Synonym(s): 1-(2-Furanyl)ethanone, 9CI. 2-Acetofurone. α-Furyl methyl ketone. FEMA 3163



CAS Registry Number: 1192-62-7

Molecular Formula: $C_6H_6O_2$
Molecular Weight: 110.112
Accurate Mass: 110.03678
Percentage Composition: C 65.45%; H 5.49%; O 29.06%
Use/Importance: Contributes to aroma of many foods and beverages. Used in flavour compositions
Physical Description: Liq. or cryst. with sweet balsamic odour
Melting Point: Mp 33°
Boiling Point: Bp 173°. Bp_{10} 67°

Aldrich: A1625-4
Fluka: 48200

>>**Derivative:** Oxime

Molecular Formula: $C_6H_7NO_2$
Molecular Weight: 125.127
Accurate Mass: 125.047679
Percentage Composition: C 57.59%; H 5.64%; N 11.19%; O 25.57%
Physical Description: Prisms (Et_2O/petrol)
Melting Point: Mp 104°

>>**Derivative:** Semicarbazone

Physical Description: Plates (MeOH)
Melting Point: Mp 150°

>>**Derivative:** Phenylhydrazone

CAS Registry Number: 61726-90-7
Physical Description: Yellow plates (EtOH aq.)
Melting Point: Mp 86.5°

References:

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Hartough, H. *et al.*, *J.A.C.S.*, 1947, **69**, 1012, *(synth)*
Angelelli, J.M. *et al.*, *Tetrahedron*, 1972, **28**, 2037, *(ir)*
Chadwick, D. *et al.*, *Tet. Lett.*, 1974, 3183, *(nmr)*
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