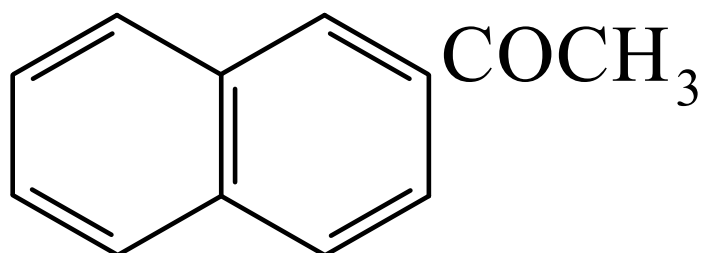




>>Entry Name: 2-Acetylnaphthalene

Synonym(s): 1-(2-Naphthalenyl)ethanone, 9CI. 2'-Acetonaphthone. Methyl β -naphthyl ketone



CAS Registry Number: 93-08-3

Molecular Formula: $C_{12}H_{10}O$

Molecular Weight: 170.21

Accurate Mass: 170.073165

Percentage Composition: C 84.68%; H 5.92%; O 9.40%

Source/Synthesis: Occurs in essential oils

Use/Importance: Perfumery ingredient. Fixative for perfumes

Physical Description: Needles (petrol)

Melting Point: Mp 56°

Boiling Point: Bp $301-303^{\circ}$. Bp₁₇ $171-173^{\circ}$

pKa Value: pK_{a1} -5.71 (20° , H_2SO_4 aq.)

Hazard & Toxicity: Human skin irritant. LD₅₀ (mus, orl) 599 mg/kg

Aldrich: W27230-2

Fluka: 68000

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