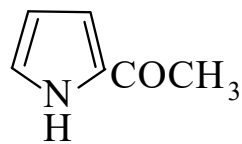




>>Entry Name: 2-Acetylpyrrole

ENTRY UNDER REVIEW

Synonym(s): 1-(1*H*-Pyrrol-2-yl)ethanone, 9CI. Methyl 2-pyrrolyl ketone. 2-Acetopyrrole. Pseudoacetylpyrrole. FEMA 3202



CAS Registry Number: 1072-83-9

Molecular Formula: C₆H₇NO

Molecular Weight: 109.127

Accurate Mass: 109.052764

Percentage Composition: C 66.04%; H 6.47%; N 12.84%; O 14.66%

Biological Source: Found in *Valeriana officinalis*, *Camellia sinensis*, *Paeonia moutan* (Chinese drug Botanpi), *Lycium chinense* (Valerianaceae, Theaceae, Peoniaceae, Solanaceae). Prod. by *Streptomyces* sp. A-5071

Use/Importance: Organoleptic which contributes to many aromas, including tobacco smoke. Possesses hepatoprotective props. Flavouring agent

Physical Description: Cryst. (petrol) with bread-like odour

Melting Point: Mp 90°

Boiling Point: Bp 220°

Solubility: Sol. H₂O

UV: [neutral] λ_{max} 247 (); 287 () (MeOH) (Berdy)

Aldrich: 24735-9

Fluka: 1455

>>Derivative: Oxime

CAS Registry Number: 63547-59-1

Molecular Formula: C₆H₈N₂O

Molecular Weight: 124.142

Accurate Mass: 124.063663

Percentage Composition: C 58.05%; H 6.50%; N 22.57%; O 12.89%

Melting Point: Mp 145-146°

>>Derivative: Phenylhydrazone

Melting Point: Mp 146°

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Reddish-brown cryst.

Melting Point: Mp 297 dec.°

>>Derivative: Semicarbazone

Melting Point: Mp 190°

>>Derivative: *N*-Me

CAS Registry Number: 932-16-1

Molecular Formula: C₇H₉NO

Molecular Weight: 123.154

Accurate Mass: 123.068414

Percentage Composition: C 68.27%; H 7.37%; N 11.37%; O 12.99%

Boiling Point: Bp 200-202°

Refractive Index: n_D²⁰ 1.5420

Aldrich: 16086-5