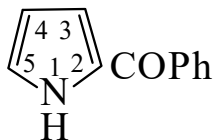




>>Entry Name: **2-Benzoylpyrrole**

**Synonym(s):** Phenyl-1*H*-pyrrol-2-ylmethanone, 9CI. Phenyl 2-pyrrolyl ketone, 8CI



**CAS Registry Number:** 7697-46-3

**Molecular Formula:** C<sub>11</sub>H<sub>9</sub>NO

**Molecular Weight:** 171.198

**Accurate Mass:** 171.068414

**Percentage Composition:** C 77.17%; H 5.30%; N 8.18%; O 9.35%

**Physical Description:** Needles, plates or prisms (H<sub>2</sub>O, EtOH aq. or petrol)

**Melting Point:** Mp 79°

**Boiling Point:** Bp 305°. Bp<sub>0.1</sub> 130°

**Solubility:** V. sol. EtOH, AcOH, C<sub>6</sub>H<sub>6</sub>; insol. H<sub>2</sub>O

**Other Data:** Stable to boiling KOH

**Hazard & Toxicity:** LD<sub>50</sub> (rat, ipr) 750 mg/kg

**Rare Chemicals Library:** S83655-9

>>Derivative: Oxime

**Molecular Formula:** C<sub>11</sub>H<sub>10</sub>N<sub>2</sub>O

**Molecular Weight:** 186.213

**Accurate Mass:** 186.079313

**Percentage Composition:** C 70.95%; H 5.41%; N 15.04%; O 8.59%

**Physical Description:** Needles (EtOH aq.)

**Melting Point:** Mp 147°

**References:**

Jones, R.A. *et al.*, *Aust. J. Chem.*, 1964, **17**, 1056

Neuner-Jehle, N., *Tet. Lett.*, 1968, 2047, (*ms*)

White, J. *et al.*, *J.O.C.*, 1977, **42**, 4248

Pindur, U. *et al.*, *J. Het. Chem.*, 1989, **26**, 1563, (*synth, ir, ms, pmr*)

Wallace, D.M. *et al.*, *J.O.C.*, 1993, **58**, 7245, (*synth, pmr, ms*)