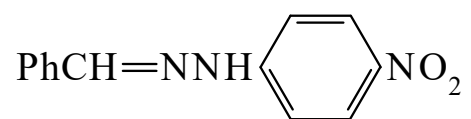




>>Entry Name: Benzaldehyde (4-nitrophenyl)hydrazone, 9CI



CAS Registry Number: 3078-09-9

**Molecular Formula:** C<sub>13</sub>H<sub>11</sub>N<sub>3</sub>O<sub>2</sub>

**Molecular Weight:** 241.249

**Accurate Mass:** 241.085127

**Percentage Composition:** C 64.72%; H 4.60%; N 17.42%; O 13.26%

**Use/Importance:** Acid-base indicator (pH range: 11-12; colour change: yellow→red). Used as a 0.5% soln. in MeOH

**Physical Description:** Yellow cryst. (EtOH)

**Melting Point:** Mp 211°

**Solubility:** Sol. EtOH; insol. H<sub>2</sub>O

**pKa Value:** pK<sub>a</sub> 11.5

**Sigma:** B2625

**References:**

Cuisa, R. *et al.*, *Gazz. Chim. Ital.*, 1922, **52II**, 215, (*synth*)

O'Connor, R., *Anal. Chem.*, 1961, **33**, 1282, (*use*)