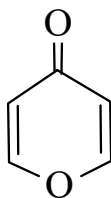




>>Entry Name: **4H-Pyran-4-one**, 9CI

Synonym(s): γ -Pyrone. 4-Pyrone



CAS Registry Number: 108-97-4

Molecular Formula: C₅H₄O₂

Molecular Weight: 96.085

Accurate Mass: 96.02113

Percentage Composition: C 62.50%; H 4.20%; O 33.30%

Physical Description: Hygroscopic cryst.

Melting Point: Mp 32.5°

Boiling Point: Bp₂₃ 105°. Bp 210-215°

Solubility: V. sol. H₂O, Et₂O, CHCl₃, AcOH; sol., C₆H₆; spar. sol. petrol, CS₂

pK_a Value: pK_a -1.14 (H₂O or H₂SO₄ aq.)

Other Data: Sol. KOH with yellow col. Nonvolatile in steam

Aldrich: 17722-9

Fluka: 83195

>>Derivative: Hydrochloride

Physical Description: Prisms (EtOH)

Melting Point: Mp 139°

>>Derivative: Picrate

Physical Description: Needles (H₂O or EtOH)

Melting Point: Mp 129°

References:

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