



>>Entry Name: 4-Oxo-4H-1-benzopyran-3-carboxaldehyde

Synonym(s): 3-Formylchromone. Chromone-3-carboxaldehyde

CAS Registry Number: 17422-74-1

Molecular Formula: C₁₀H₆O₃

Molecular Weight: 174.156

Accurate Mass: 174.031695

Percentage Composition: C 68.97%; H 3.47%; O 27.56%

Physical Description: Cryst. (Me₂CO or EtOH)

Melting Point: Mp 152-153°

Aldrich: 38344-9

>>Derivative: Phenylhydrazone

CAS Registry Number: 21601-26-3

Physical Description: Yellow cryst. (dioxan)

Melting Point: Mp 208°

>>Derivative: *p*-Chloroanil

CAS Registry Number: 57336-17-1

Physical Description: Cryst. (C₆H₆/petrol)

Melting Point: Mp 131-133°

References:

Eiden, F. *et al.*, *Arch. Pharm. (Weinheim, Ger.)*, 1967, **300**, 806, (*synth*)

Eiden, F. *et al.*, *Arch. Pharm. (Weinheim, Ger.)*, 1968, **301**, 819, (*derivs*)

Nohara, A. *et al.*, *Tetrahedron*, 1974, **30**, 3553, (*synth, pmr*)

Ghosh, C.K., *J. Het. Chem.*, 1983, **20**, 1437, (*bibl*)