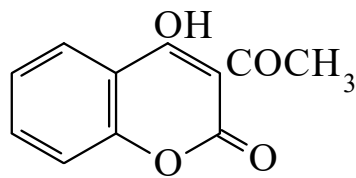




>>Entry Name: 3-Acetyl-4-hydroxy-2H-1-benzopyran-2-one, 9CI

Synonym(s): 3-Acetyl-4-hydroxycoumarin, 8CI



CAS Registry Number: 2555-37-5

Molecular Formula: C₁₁H₈O₄

Molecular Weight: 204.182

Accurate Mass: 204.04226

Percentage Composition: C 64.71%; H 3.95%; O 31.34%

Use/Importance: Used as a soln. in EtOH for gravimetric detn. of Ce, Th, Ti, U(VI), Zr; photometric detn. of Fe(III), U(VI)

Physical Description: Cryst. (EtOH)

Melting Point: Mp 138°

References:

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Bhat, A.N. *et al.*, *Talanta*, 1960, **4**, 13-16; **5**, 271-275, (detn, Th, U, Fe)

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Klutchko, S. *et al.*, *J.O.C.*, 1974, **39**, 2436-2437, (synth, ir, uv, ms)

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