>>**Entry Name: 7-Hydroxy-4-phenyl-2*H*-1-benzopyran-2-one**
Synonym(s): 7-Hydroxy-4-phenylcoumarin. 7-Hydroxy neoflavone

CAS Registry Number: 2555-30-8

Molecular Formula: $C_{15}H_{10}O_3$
Molecular Weight: 238.242
Accurate Mass: 238.062995
Percentage Composition: C 75.62%; H 4.23%; O 20.15%
Physical Description: Needles (EtOH)
Melting Point: Mp 256.5-257°

Rare Chemicals Library: S36265-4

>>**Derivative:** Ac

CAS Registry Number: 16299-27-7
Molecular Formula: $C_{17}H_{12}O_4$
Molecular Weight: 280.279
Accurate Mass: 280.07356
Percentage Composition: C 72.85%; H 4.32%; O 22.83%
Physical Description: Cryst.
Melting Point: Mp 124-125°

>>**Derivative:** Benzoyl

CAS Registry Number: 94739-93-2
Molecular Formula: $C_{22}H_{14}O_4$
Molecular Weight: 342.35
Accurate Mass: 342.08921
Percentage Composition: C 77.18%; H 4.12%; O 18.69%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 137°

>>**Derivative:** Me ether
Synonym(s): 7-Methoxy-4-phenyl-2*H*-1-benzopyran-2-one

CAS Registry Number: 2555-31-9
Molecular Formula: $C_{16}H_{12}O_3$
Molecular Weight: 252.269
Accurate Mass: 252.078645
Percentage Composition: C 76.18%; H 4.79%; O 19.03%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 116-117°

References:

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Damm, O. *et al.*, *Annalen*, 1957, **605**, 158-167, *(synth, derivs)*
Woods, L.L. *et al.*, *J.O.C.*, 1962, **27**, 3703-3705, *(synth, uv, ir)*
Sato, K. *et al.*, *J.O.C.*, 1968, **33**, 2446-2450, *(synth, derivs)*
Imura, I. *et al.*, *Chem. Pharm. Bull.*, 1987, **35**, 3909-3913, *(synth, ms, cmr, pmr, uv)*