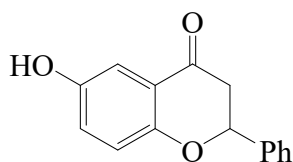




>>Entry Name: 6-Hydroxyflavanone, 8Cl

Synonym(s): 2,3-Dihydro-6-hydroxy-2-phenyl-4H-1-benzopyran-4-one, 9Cl. 6-Hydroxy-2-phenyl-4-chromanone



CAS Registry Number: 4250-77-5

Molecular Formula: C₁₅H₁₂O₃

Molecular Weight: 240.258

Accurate Mass: 240.078645

>>Variant: (±)-form

Molecular Formula: C₁₅H₁₂O₃

Molecular Weight: 240.258

Accurate Mass: 240.078645

Physical Description: Needles (EtOH)

Melting Point: Mp 220-222°

>>Derivative: Ac

CAS Registry Number: 76279-00-0

Molecular Formula: C₁₇H₁₄O₄

Molecular Weight: 282.295

Accurate Mass: 282.08921

Percentage Composition: C 72.33%; H 5.00%; O 22.67%

Melting Point: Mp 75°

>>Derivative: Benzoyl

CAS Registry Number: 95161-96-9

Molecular Formula: C₂₂H₁₆O₄

Molecular Weight: 344.366

Accurate Mass: 344.10486

Percentage Composition: C 76.73%; H 4.68%; O 18.58%

Physical Description: Pale yellow platelets (EtOH)

Melting Point: Mp 180°

>>Derivative: Me ether

Synonym(s): 6-Methoxyflavanone

CAS Registry Number: 3034-04-6

Molecular Formula: C₁₆H₁₄O₃

Molecular Weight: 254.285

Accurate Mass: 254.094295

Percentage Composition: C 75.58%; H 5.55%; O 18.88%

Physical Description: Needles (EtOH)

Melting Point: Mp 141-143°

References:

Robertson, A. *et al.*, *J.C.S.*, 1954, 3137, (*synth*)

Piyooshchandra, R.S. *et al.*, *Chem. Ber.*, 1964, **97**, 1453, (*synth, derivs*)