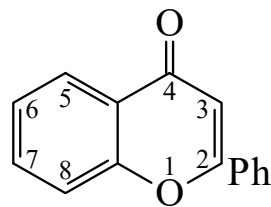




>>Entry Name: 2-Phenyl-4*H*-1-benzopyran-4-one, 9CI

Synonym(s): 2-Phenylchromone. Flavone



CAS Registry Number: 525-82-6

Molecular Formula: C₁₅H₁₀O₂

Molecular Weight: 222.243

Accurate Mass: 222.06808

Percentage Composition: C 81.07%; H 4.54%; O 14.40%

Biological Source: Found as leaf deposit on *Primula* spp.

Use/Importance: Parent ring system of a large group of natural prods. found extensively in plants

Physical Description: Needles (petrol)

Melting Point: Mp 96-97°

Solubility: BERDY SOL: Sol. EtOH; poorly sol. H₂O

UV: [neutral] λ_{max} 350 (); 405 () (MeOH) (Berdy)

Hazard & Toxicity: LD₅₀ (mus, orl) 2500 mg/kg ; BERDY HAZD : LD₅₀ (mus, scu) 400 mg/kg

Aldrich: F60-2

Fluka: 46380

Sigma: F2003

>>Derivative: Oxime

Molecular Formula: C₁₅H₁₁NO₂

Molecular Weight: 237.257

Accurate Mass: 237.078979

Percentage Composition: C 75.94%; H 4.67%; N 5.90%; O 13.49%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 181-182°

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