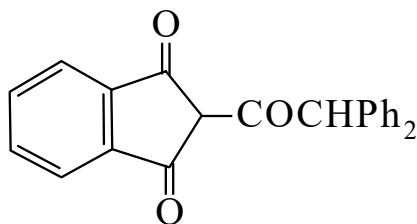




>>Entry Name: Diphenadione, BAN, INN

Synonym(s): 2-(Diphenylacetyl)-1*H*-indene-1,3(2*H*)-dione, 9CI. 2-(Diphenylacetyl)-1,3-indandione, 8CI. Diphacinone, ANSI, BSI, ISO. Diphacins, JMAF. Didandin. Didion. Difexan. Dipaxin. Diphenacin. Oragulant. Solvan. Ramik. U 1363. URI 788



CAS Registry Number: 82-66-6

Type of Compound Code(s): XA1350 XA2290

Molecular Formula: C₂₃H₁₆O₃

Molecular Weight: 340.378

Accurate Mass: 340.109945

Percentage Composition: C 81.16%; H 4.74%; O 14.10%

Use/Importance: Orally active anticoagulant, rodenticide

Physical Description: Pale-yellow cryst. (EtOH)

Melting Point: Mp 146-147°

Solubility: Sol. Me₂CO, AcOH; sl. sol. C₆H₆

Calculated Log P Data: Log P 3.54 (calc)

Hazard & Toxicity: Haemorrhagic at high therapeutic doses. LD₅₀ (rat, orl) 1.5 mg/kg

>>Derivative: 1-Hydrazone

CAS Registry Number: 5102-79-4

Type of Compound Code(s): PG5500 PM6740 PG5150

Molecular Formula: C₂₃H₁₈N₂O₂

Molecular Weight: 354.407

Accurate Mass: 354.136828

Percentage Composition: C 77.95%; H 5.12%; N 7.90%; O 9.03%

Use/Importance: Reagent for detn. of carbonyl compds.

Physical Description: Yellow cryst. (EtOH/DMF)

Melting Point: Mp 305 dec.°

Aldrich: D20483-8

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