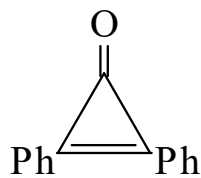




>>Entry Name: 2,3-Diphenyl-2-cyclopropen-1-one, 9CI

Synonym(s): Diphenycyprone



CAS Registry Number: 886-38-4

Molecular Formula: C₁₅H₁₀O

Molecular Weight: 206.243

Accurate Mass: 206.073165

Percentage Composition: C 87.36%; H 4.89%; O 7.76%

Biological Use/Importance: Contact allergen used as an antialopecia agent

Physical Description: Cryst. (cyclohexane)

Melting Point: Mp 121-121.5°

Other Data: Forms a cryst. hydrate and 1:1 complexes with Lewis acids and strong organic acids

Aldrich: 17737-7

Fluka: 42910

Sigma: D0801

>>Derivative: Hydrate

CAS Registry Number: 20666-10-8

Physical Description: Needles (H₂O-saturated CH₂Cl₂)

Melting Point: Mp 87.5°

>>Derivative: BF₃ complex

Melting Point: Mp 166-167°

>>Derivative: SbCl₅ complex

Melting Point: Mp 216-217°

>>Derivative: Oxime

Molecular Formula: C₁₅H₁₁NO

Molecular Weight: 221.258

Accurate Mass: 221.084064

Percentage Composition: C 81.43%; H 5.01%; N 6.33%; O 7.23%

Melting Point: Mp 116° (100°)

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 2569-92-8

Physical Description: Cryst. (MeNO₂)

Melting Point: Mp 248-249 dec.°

>>Derivative: Di-Et acetal

Synonym(s): 3,3-Diethoxy-1,2-diphenylcyclopropene

CAS Registry Number: 29182-67-0

Molecular Formula: C₁₉H₂₀O₂

Molecular Weight: 280.366

Accurate Mass: 280.14633

Percentage Composition: C 81.40%; H 7.19%; O 11.41%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 67-68°

>>Derivative: Anil

see 1,2-Diphenyl-3-(phenylimino)cyclopropene, [FFT13-G](#)

References: