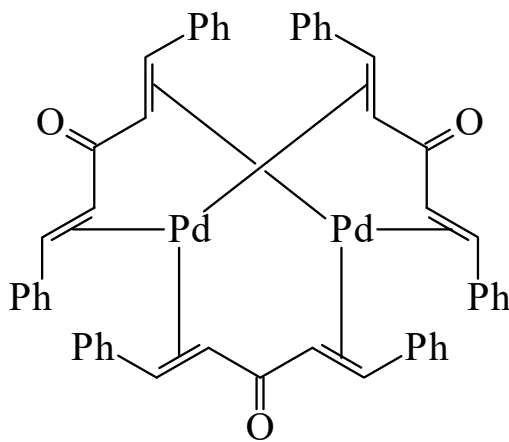




>>Entry Name: Tris[μ-[(1,2-η:4,5-η)-1,5-diphenyl-1,4-pentadien-3-one]]dipalladium, 9Cl

Synonym(s): Tris(μ-dibenzylideneacetone)dipalladium



CAS Registry Number: 51364-51-3

Related CAS Registry Numbers(s): 51364-52-4

Molecular Formula: C₅₁H₄₂O₃Pd₂

Molecular Weight: 915.731

Accurate Mass: 914.120351

Percentage Composition: C 66.89%; H 4.62%; O 5.24%; Pd 23.24%

Source/Synthesis: Synth. from PdCl₂, dba and MeOH

Use/Importance: Catalyses dimerisation of butadiene. Good source of Pd(0) for catalytic reactions. Catalyses ring-opening decarboxylation of 4-vinyl cyclic carbonates giving dienals and dienones; addn. of carbon pronucleophiles to conjugated enynes giving allenes

>>Derivative: Mono-C₆H₆ solvate

Physical Description: Deep purple cryst.

Melting Point: Mp 142-144 dec.°

>>Derivative: Mono-toluene solvate

CAS Registry Number: 52522-42-6

Physical Description: Deep purple cryst.

Melting Point: Mp 140-141 dec.°

>>Derivative: Mono-CHCl₃ solvate

CAS Registry Number: 52522-40-4

Physical Description: Deep purple cryst.

Melting Point: Mp 122-124 dec.°

Aldrich: 36631-5

Fluka: 93326

References:

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