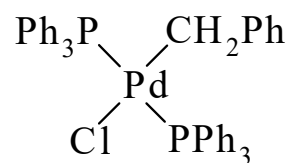




>>Entry Name: Benzylchlorobis(triphenylphosphine)palladium, 8Cl

Synonym(s): Chloro(phenylmethyl)bis(triphenylphosphine)palladium, 9Cl. Benzylbis(triphenylphosphine)palladium chloride



CAS Registry Number: 86633-24-1

Molecular Formula: C₄₃H₃₇ClP₂Pd

Molecular Weight: 757.585

Accurate Mass: 756.109379

Percentage Composition: C 68.17%; H 4.92%; Cl 4.68%; P 8.18%; Pd 14.05%

>>Variant: *trans*-form

CAS Registry Number: 22784-59-4

Molecular Formula: C₄₃H₃₇ClP₂Pd

Molecular Weight: 757.585

Accurate Mass: 756.109379

Percentage Composition: C 68.17%; H 4.92%; Cl 4.68%; P 8.18%; Pd 14.05%

Source/Synthesis: Synth. from Pd(PPh₃)₄ and BzCl

Use/Importance: Catalyst for ketone or ester formn. from acid chlorides and organotin or organolead compds. Also catalyst in synth. of natural products, eg. in intramolecular cross-coupling reactions → γ-oxo-α,β-unsatd. macrocycles

Physical Description: Cryst. (CH₂Cl₂/Et₂O contg. PPh₃)

Melting Point: Mp 147-151 dec.°

Other Data: Dimerises to Dibenzyl-di-μ-chlorobis(triphenylphosphine)dipalladium [GLW38-H](#) by loss of PPh₃

Aldrich: 27766-5

References:

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Four, P. *et al.*, *J.O.C.*, 1981, **46**, 4439, (*use*)
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