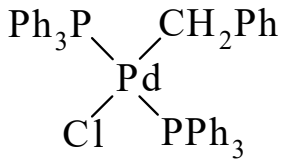
>>**Entry Name: Benzylchlorobis(triphenylphosphine)palladium,** 8Cl
Synonym(s): Chloro(phenylmethyl)bis(triphenylphosphine)palladium, 9Cl. Benzylbis(triphenylphosphine)palladium chloride



CAS Registry Number: 86633-24-1

Molecular Formula: $C_{43}H_{37}ClP_2Pd$
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: $C_{43}H_{37}ClP_2Pd$
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 $Pd(PPh_3)_4$ 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. (CH_2Cl_2/Et_2O contg. PPh_3)
Melting Point: Mp 147-151 dec.°
Other Data: Dimerises to Dibenzyldi-μ-chlorobis(triphenylphosphine)dipalladium GLW38-H by loss of PPh_3
Aldrich: 27766-5

References:

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