



>>Entry Name: **Bis(benzonitrile)dichloropalladium**, 10Cl, 9Cl

Synonym(s): Dichlorobis(cyanobenzene)palladium. Bis(benzonitrile)palladium dichloride

CAS Registry Number: 14220-64-5

(PhCN)₂PdCl₂

Molecular Formula: C₁₄H₁₀Cl₂N₂Pd

Molecular Weight: 383.572

Accurate Mass: 381.92558

Percentage Composition: C 43.84%; H 2.63%; Cl 18.49%; N 7.30%; Pd 27.74%

Aldrich: 22368-9

Fluka: 14536

Sigma: B3417

>>Variant: *cis*-form

CAS Registry Number: 39958-10-6

Molecular Formula: C₁₄H₁₀Cl₂N₂Pd

Molecular Weight: 383.572

Accurate Mass: 381.92558

Percentage Composition: C 43.84%; H 2.63%; Cl 18.49%; N 7.30%; Pd 27.74%

Other Data: May not exist

>>Variant: *trans*-form

CAS Registry Number: 15617-18-2

Molecular Formula: C₁₄H₁₀Cl₂N₂Pd

Molecular Weight: 383.572

Accurate Mass: 381.92558

Percentage Composition: C 43.84%; H 2.63%; Cl 18.49%; N 7.30%; Pd 27.74%

General Statement: Usual geometry

Source/Synthesis: Synth. by treating PdCl₂ in PhCN

Use/Importance: Commercially available. Good source of Pd²⁽⁺⁾ for synth. Catalyst for alkene isom., carbonylations etc.

Physical Description: Light yellow needles (C₆H₆)

Solubility: Sol. halogenated solvs.

Other Data: Dissoc. in soln.

Hazard & Toxicity: ATP-ase inhibitor

References:

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