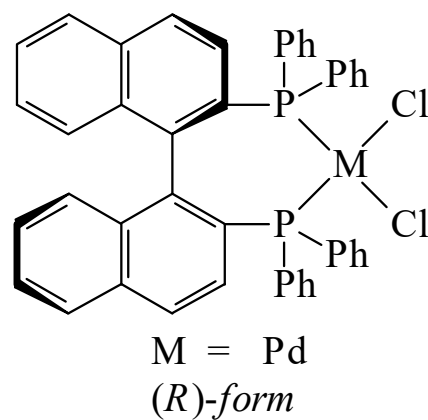




>>Entry Name: [(1,1'-Binaphthalene)-2,2'-diylbis(diphenylphosphine)-*P,P'*]dichloropalladium, ¹³Cl

Synonym(s): (BINAP)palladium chloride



Molecular Formula: C₄₄H₃₂Cl₂P₂Pd

Molecular Weight: 800.01

Accurate Mass: 798.039106

Percentage Composition: C 66.06%; H 4.03%; Cl 8.86%; P 7.74%; Pd 13.30%

Source/Synthesis: Used as a catalyst for asymmetric condensation of enol ethers and aldehydes

>>Variant: (*R*)-form

CAS Registry Number: 115826-95-4

Molecular Formula: C₄₄H₃₂Cl₂P₂Pd

Molecular Weight: 800.01

Accurate Mass: 798.039106

Percentage Composition: C 66.06%; H 4.03%; Cl 8.86%; P 7.74%; Pd 13.30%

Source/Synthesis: Synth. from (*R*)-BINAP and Bis(acetonitrile)dichloropalladium(*II*) [JCM62-I](#)

Physical Description: Red cryst. (Me₂CO/hexane)

Melting Point: Mp 255-260 dec.°

Optical Rotation: [α]_D²⁰ +682 (c, 0.5 in CHCl₃)

Aldrich: 34233-5

Fluka: 14806

>>Variant: (*S*)-form

CAS Registry Number: 127593-28-6

Molecular Formula: C₄₄H₃₂Cl₂P₂Pd

Molecular Weight: 800.01

Accurate Mass: 798.039106

Percentage Composition: C 66.06%; H 4.03%; Cl 8.86%; P 7.74%; Pd 13.30%

Source/Synthesis: Synth. from (*S*)-BINAP and Bis(acetonitrile)dichloropalladium(*II*) [JCM62-I](#)

Physical Description: No phys. props. reported

References:

De Graaf, W. *et al.*, *J. Organomet. Chem.*, 1989, **378**, 115, (*synth, use*)

Ozawa, F. *et al.*, *Organometallics*, 1993, **12**, 4188, (*synth, cryst struct, use*)

Sodeoka, M. *et al.*, *J.O.C.*, 1995, **60**, 2648, (*use*)