A chloro-bridged dinuclear phosphinitopalladium complex, di-μ-chloro-bis[(diphenoxyphosphinite-κ*P*)(diphenoxyphosphinito-κ*P*)palladium(II)].

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Streszczenie

The title compound, $[Pd_2(C_{12}H_{10}O_3P)_2Cl_2(C_{12}H_{11}O_3P)_2]$, consists of a dinuclear μ-chloro-bridged palladium unit with two diphenoxyphosphinite groups per Pd atom, linked together by a hydrogen bond. The asymmetric unit contains one half of the molecule, with the other half generated by an inversion centre. The geometry around the P atoms may be described as distorted tetrahedral. Adjacent molecules of the complex are linked by weak C—H···O and C—H···Cl hydrogen bonds. The structure is additionally stabilized by π–π stacking interactions between the aryl rings. These interactions form a herring-bone pattern in the crystal structure.

Adres publiczny

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