Zinc Bis[μ-\(N,N''\)-chlorozinc-bis(\(N\)-trimethylsilylimino-diphenylphosphoranyl) methanediide]: A Zinc Derivative of a Geminal Carbodianion

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The trinuclear title compound, \(C_{74}H_{86}Cl_2N_4P_4Si_4Zn_3\), is derived from a geminally substituted carbodianion. The central zinc atom shows a nearly linear coordination geometry with very short Zn-C bond lengths (average 191 pm). The peripheral metal centers of the chlorozinc moieties are chelated by the phosphanimine donors and hence are triply coordinated, thus forming a six-membered \(CP_2N_2Zn\) ring with Zn-N distances of 195 pm (average).

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