



>>Entry Name: **1,3-Bis(dicyclohexylphosphino)propane**

Synonym(s): 1,3-Propanediylbis[dicyclohexylphosphine], 10Cl, 9Cl. Trimethylenebis[dicyclohexylphosphine], 8Cl

CAS Registry Number: 103099-52-1

As 1,4-Bis(dicyclohexylphosphino)butane, [DNZ49-H](#) with
n = 3

Molecular Formula: C₂₇H₅₀P₂

Molecular Weight: 436.639

Accurate Mass: 436.338774

Percentage Composition: C 74.27%; H 11.54%; P 14.19%

Use/Importance: Ligand for Pt

Physical Description: Oil

Aldrich: 44041-8

>>**Derivative:** Disulfide

Synonym(s): 1,3-Bis(dicyclohexylphosphinothioyl)propane

Molecular Formula: C₂₇H₅₀P₂S₂

Molecular Weight: 500.771

Accurate Mass: 500.282914

Percentage Composition: C 64.76%; H 10.06%; P 12.37%; S 12.81%

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 147-148°

References:

Issleib, K. *et al.*, *Chem. Ber.*, 1959, **92**, 3175