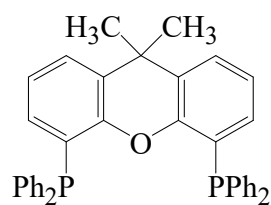




>>Entry Name: (9,9-Dimethyl-9*H*-xanthene-4,5-diyl)bis[diphenylphosphine], 9Cl

Synonym(s): 9,9-Dimethyl-4,5-bis(diphenylphosphino)xanthene. Xantphos



CAS Registry Number: 161265-03-8

Extra CAS Registry Numbers(s): 161265-04-9

Type of Compound Code(s): AC0300

Molecular Formula: C₃₉H₃₂OP₂

Molecular Weight: 578.629

Accurate Mass: 578.192839

Percentage Composition: C 80.96%; H 5.57%; O 2.77%; P 10.71%

General Statement: Molecule is folded along C₉-O axis

Physical Description: Cryst. (CHCl₃/2-propanol or THF)

Melting Point: Mp 230-232°

Other Data: Forms a solvate with THF

References:

Kranenburg, M. *et al.*, *Organometallics*, 1995, **14**, 3081-3089, (*synth, ir, pmr, cmr, P-31 nmr, cryst struct*)

Hillebrand, S. *et al.*, *Tet. Lett.*, 1995, **36**, 75-78, (*synth, ms, pmr, cmr, P-31 nmr, cryst struct*)