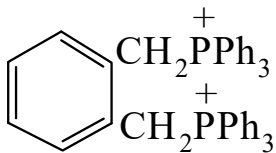




>>Entry Name: [1,2-Phenylenebis[methylene]]bis[triphenylphosphonium](2+), 9Cl

Synonym(s): (*o*-Phenylenedimethyl)bis[triphenylphosphonium](2+), 8Cl. 2-Xylylenebis[triphenylphosphonium](2+)



Related CAS Registry Numbers(s): 23023-68-9

Molecular Formula: C₄₄H₃₈P₂²⁽⁺⁾

Molecular Weight: 628.732

Accurate Mass: 628.244874

Percentage Composition: C 84.06%; H 6.09%; P 9.85%

>>Derivative: Dibromide

CAS Registry Number: 1519-46-6

Molecular Formula: C₄₄H₃₈Br₂P₂

Molecular Weight: 788.54

Accurate Mass: 786.121546

Percentage Composition: C 67.02%; H 4.86%; Br 20.27%; P 7.86%

Physical Description: Cryst. (CHCl₃)

Melting Point: Mp 340°

Other Data: LiOEt or butyllithium→bis-ylide. Dichloride also known

>>Derivative: Bis-ylide

References:

- Aldrich Library of Infrared Spectra*, 3rd edn., 1981, 1185D, (*ir*)
Griffin, C.E. *et al.*, *J.O.C.*, 1962, **27**, 1627; 1963, **28**, 1715, (*synth*)
Ojima, J. *et al.*, *Bull. Chem. Soc. Jpn.*, 1976, **49**, 2840; 1977, **50**, 933, (*use*)
Mitchell, R.H. *et al.*, *Can. J. Chem.*, 1977, **55**, 210, (*use*)
Minsky, A. *et al.*, *Synthesis*, 1983, 497, (*synth*)
Ojima, J. *et al.*, *Can. J. Chem.*, 1985, **63**, 2885, (*use*)
Aced, G. *et al.*, *J. Liq. Chromatogr.*, 1989, **12**, 3201, (*chloride, hplc*)