



>>Entry Name: Triphenylphosphine selenide, 9Cl, 8Cl

CAS Registry Number: 3878-44-2

$\text{Ph}_3\text{P}=\text{Se}$

Molecular Formula: $\text{C}_{18}\text{H}_{15}\text{PSe}$

Molecular Weight: 341.25

Accurate Mass: 342.007657

Percentage Composition: C 63.35%; H 4.43%; P 9.08%; Se 23.14%

Use/Importance: Ligand for Cd, Au, Hg, Pd and Zn

Physical Description: Cryst. (Me_2CO or EtOH)

Melting Point: Mp 187-188°

Fluka: 93107

References:

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De Ketelaere, R.F. *et al.*, *J. Mol. Struct.*, 1974, **23**, 233, (*ir, Raman*)
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Coddington, P.W. *et al.*, *Acta Cryst. B*, 1979, **35**, 1261, (*cryst struct*)
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Enikeev, K.M. *et al.*, *Zh. Org. Khim.*, 1983, **53**, 2143; *J. Gen. Chem. USSR (Engl. Transl.)*, 1983, **53**, 1933, (*P-31 nmr, Se-77 nmr*)
Allen, D.W. *et al.*, *J. Chem. Res., Synop.*, 1986, 392, (*P-31 nmr, Se-77 nmr*)
Wazeer, M.I.M., *Spectrochim. Acta A*, 1989, **45**, 1257, (*cmr, P-31 nmr*)
Bulgarevitch, S.B. *et al.*, *Zh. Obshch. Khim.*, 1989, **59**, 1519; *J. Gen. Chem. USSR (Engl. Transl.)*, 1989, **59**, 1349, (*synth, props*)
Burford, N. *et al.*, *J.C.S. Dalton*, 1990, 2111, (*cmr, P-31 nmr*)
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