>>**Entry Name: (Iodomethyl)triphenylphosphonium(1+)**

Related CAS Registry Numbers(s): 98822-67-4 110428-39-2
$Ph_3P^{(+)}CH_2I$

Molecular Formula: $C_{19}H_{17}IP^{(+)}$
Molecular Weight: 403.221
Accurate Mass: 403.01126
Percentage Composition: C 56.60%; H 4.25%; I 31.47%; P 7.68%

>>**Derivative:** Iodide

CAS Registry Number: 3020-28-8

Molecular Formula: $C_{19}H_{17}I_2P$
Molecular Weight: 530.126
Accurate Mass: 529.915733
Percentage Composition: C 43.05%; H 3.23%; I 47.88%; P 5.84%
Physical Description: Needles
Melting Point: Mp 240 dec.°

References:

Scherfise, K.D. *et al.*, *Z. Naturforsch., B*, 1985, **40**, 906, *(synth, ir, cryst struct)*
Stahl, K. *et al.*, *J. Organomet. Chem.*, 1986, **316**, 85, *(synth)*
Li, S. *et al.*, *Chem. Ber.*, 1990, **123**, 1441, *(use)*
Vogt, H. *et al.*, *Z. Naturforsch., B*, 1993, **48**, 1760, *(synth, ms, P-31 nmr, cryst struct)*
Lauritsen, K. *et al.*, *Z. Anorg. Allg. Chem.*, 1994, **620**, 1103, *(iodide, P-31 nmr, reactions)*