>>**Entry Name: Triphenyl[3-(trimethylsilyl)-2-propynyl]phosphonium(1+),** 9CI
Synonym(s): Triphenyl(trimethylsilylpropargyl)phosphonium(1+)

CAS Registry Number: 135544-91-1
$[Me_3SiC{\equiv}CCH_2PPh_3]^{(+)}$

Molecular Formula: $C_{24}H_{26}PSi^{(+)}$
Molecular Weight: 373.529
Accurate Mass: 373.154139
Percentage Composition: C 77.17%; H 7.02%; P 8.29%; Si 7.52%

>>**Derivative:** Bromide

CAS Registry Number: 42134-49-6

Molecular Formula: $C_{24}H_{26}BrPSi$
Molecular Weight: 453.433
Accurate Mass: 452.092475
Percentage Composition: C 63.57%; H 5.78%; Br 17.62%; P 6.83%; Si 6.19%
Source/Synthesis: Synth. from $Me_3SiC{\equiv}CCH_2Br + PPh_3$
Use/Importance: Reagent in Wittig reactions
Physical Description: Cryst.
Melting Point: Mp 155-159°. Mp 173-175° (dec.)

References:

Ahmed, M. *et al.*, *J.C.S. Perkin 1*, 1974, 1981-1987, *(synth)*
Eiter, K. *et al.*, *Annalen*, 1978, 658-674, *(synth, pmr)*