



>>Entry Name: Ethyltriphenylphosphonium(1+), 9Cl

CAS Registry Number: 39895-79-9

$\text{Ph}_3\text{P}^{(+)}\text{Et}$

Molecular Formula: $\text{C}_{20}\text{H}_{20}\text{P}^{(+)}$

Molecular Weight: 291.352

Accurate Mass: 291.130262

Percentage Composition: C 82.45%; H 6.92%; P 10.63%

>>Derivative: Chloride

CAS Registry Number: 896-33-3

Molecular Formula: $\text{C}_{20}\text{H}_{20}\text{ClP}$

Molecular Weight: 326.804

Accurate Mass: 326.099114

Percentage Composition: C 73.51%; H 6.17%; Cl 10.85%; P 9.48%

Physical Description: Cryst. ($\text{CH}_2\text{Cl}_2/\text{EtOAc}$)

Melting Point: Mp 240-241 dec.°

>>Derivative: Bromide

CAS Registry Number: 1530-32-1

Molecular Formula: $\text{C}_{20}\text{H}_{20}\text{BrP}$

Molecular Weight: 371.256

Accurate Mass: 370.068598

Percentage Composition: C 64.70%; H 5.43%; Br 21.52%; P 8.34%

Use/Importance: Anticholinergic activity

Physical Description: Hygroscopic cryst. ($\text{EtOH}/\text{Et}_2\text{O}$)

Melting Point: Mp 206.5-207.5°

Aldrich: E5060-4

Fluka: 4997

>>Derivative: Iodide

CAS Registry Number: 4736-60-1

Molecular Formula: $\text{C}_{20}\text{H}_{20}\text{IP}$

Molecular Weight: 418.256

Accurate Mass: 418.034735

Percentage Composition: C 57.43%; H 4.82%; I 30.34%; P 7.41%

Physical Description: Cryst.

Melting Point: Mp 167 dec.°

Aldrich: 38947-1

Fluka: 46095

>>Derivative: Tetrafluoroborate

CAS Registry Number: 2994-53-8

Molecular Formula: $\text{C}_{20}\text{H}_{20}\text{BF}_4\text{P}$

Molecular Weight: 378.156

Accurate Mass: 378.133179

Percentage Composition: C 63.52%; H 5.33%; B 2.86%; F 20.10%; P 8.19%

Physical Description: Cryst. ($\text{CH}_2\text{Cl}_2/\text{Et}_2\text{O}$)

Melting Point: Mp 125-127°