



>>Entry Name: Hexadecyltriphenylphosphonium(1+), 9Cl, 8Cl

CAS Registry Number: 89803-76-9

$\text{Ph}_3\text{P}^{(+)}(\text{CH}_2)_{15}\text{CH}_3$

Molecular Formula: $\text{C}_{34}\text{H}_{48}\text{P}^{(+)}$

Molecular Weight: 487.727

Accurate Mass: 487.349362

Percentage Composition: C 83.73%; H 9.92%; P 6.35%

>>Derivative: Bromide

CAS Registry Number: 14866-43-4

Molecular Formula: $\text{C}_{34}\text{H}_{48}\text{BrP}$

Molecular Weight: 567.631

Accurate Mass: 566.287698

Percentage Composition: C 71.94%; H 8.52%; Br 14.08%; P 5.46%

Physical Description: No phys. props. reported

>>Derivative: Ylide

Synonym(s): Hexadecylidene triphenylphosphorane. Triphenylphosphonium hexadecylide

CAS Registry Number: 103411-90-1

Molecular Formula: $\text{C}_{34}\text{H}_{47}\text{P}$

Molecular Weight: 486.719

Accurate Mass: 486.341537

Percentage Composition: C 83.90%; H 9.73%; P 6.36%

Physical Description: Props. not reported

References:

Veith, H.J., *Org. Mass Spectrom.*, 1978, **13**, 280, (*ms*)