

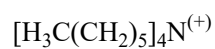


>>Entry Name: Tetrahexylammonium(1+)

Synonym(s): *N,N,N*-Trihexylhexanaminium(1+), 9Cl

CAS Registry Number: 20256-54-6

Related CAS Registry Numbers(s): 4328-13-6



Molecular Formula: $\text{C}_{24}\text{H}_{52}\text{N}^{(+)}$

Molecular Weight: 354.681

Accurate Mass: 354.409974

Percentage Composition: C 81.27%; H 14.78%; N 3.95%

>>Derivative: Hydroxide

CAS Registry Number: 17756-56-8

Molecular Formula: $\text{C}_{24}\text{H}_{53}\text{NO}$

Molecular Weight: 371.689

Accurate Mass: 371.412714

Percentage Composition: C 77.56%; H 14.37%; N 3.77%; O 4.30%

Use/Importance: Reagent for on-column hexylation of barbiturates for gc sepn.

Other Data: Prepd. in MeOH soln. from the iodide

Fluka: 87312

>>Derivative: Chloride

CAS Registry Number: 5922-92-9

Molecular Formula: $\text{C}_{24}\text{H}_{52}\text{ClN}$

Molecular Weight: 390.134

Accurate Mass: 389.378826

Percentage Composition: C 73.89%; H 13.43%; Cl 9.09%; N 3.59%

Use/Importance: Used as a soln. in dichloroethane for extraction-separation of In

Physical Description: Cryst.

Aldrich: 26383-4

Fluka: 87305

Sigma: T4658

>>Derivative: Bromide

CAS Registry Number: 4328-13-6

Molecular Formula: $\text{C}_{24}\text{H}_{52}\text{BrN}$

Molecular Weight: 434.585

Accurate Mass: 433.34831

Percentage Composition: C 66.33%; H 12.06%; Br 18.39%; N 3.22%

Physical Description: Cryst.

Melting Point: Mp 99-101°

Aldrich: 25281-6

Fluka: 87297

Sigma: T5658

>>Derivative: Iodide

CAS Registry Number: 2138-24-1

Molecular Formula: $\text{C}_{24}\text{H}_{52}\text{IN}$

Molecular Weight: 481.586

Accurate Mass: 481.314447

Percentage Composition: C 59.86%; H 10.88%; I 26.35%; N 2.91%

Use/Importance: Used as a soln. in dichloroethane for extraction-separation of metal complexes with azo dyes

Physical Description: Cryst.

Melting Point: Mp 102-103°

Fluka: 87307