



>>Entry Name: Hexyltrimethylammonium(1+)

Synonym(s): *N,N,N*-Trimethyl-1-hexanaminium

CAS Registry Number: 16208-27-8

$\text{H}_3\text{C}(\text{CH}_2)_5\text{N}^{(+)}\text{Me}_3$

Molecular Formula: $\text{C}_9\text{H}_{22}\text{N}^{(+)}$

Molecular Weight: 144.28

Accurate Mass: 144.175224

Percentage Composition: C 74.92%; H 15.37%; N 9.71%

>>Derivative: Bromide

CAS Registry Number: 2650-53-5

Molecular Formula: $\text{C}_9\text{H}_{22}\text{BrN}$

Molecular Weight: 224.184

Accurate Mass: 223.11356

Percentage Composition: C 48.22%; H 9.89%; Br 35.64%; N 6.25%

Physical Description: Cryst. (Me_2CO)

Melting Point: Mp 186°

>>Derivative: Iodide

CAS Registry Number: 15066-77-0

Molecular Formula: $\text{C}_9\text{H}_{22}\text{IN}$

Molecular Weight: 271.184

Accurate Mass: 271.079697

Percentage Composition: C 39.86%; H 8.18%; I 46.80%; N 5.17%

Physical Description: Cryst.

Melting Point: Mp 167°

References:

v. Braun, A. *et al.*, *Annalen*, 1911, **382**, 1-49, (*iodide*)

Ford, W.T. *et al.*, *J.O.C.*, 1973, **38**, 3916-3918, (*bromide*)

Hart, D.J. *et al.*, *J.O.C.*, 1974, **39**, 363-366, (*cmr*)