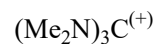




>>Entry Name: Hexamethylguanidinium(1+)

Synonym(s): *N*-[Bis(dimethylamino)methylene]-*N*-methylmethanaminium, 9Cl. Tris(dimethylamino)methylum(1+)



Molecular Formula: $\text{C}_7\text{H}_{18}\text{N}_3^{(+)}$

Molecular Weight: 144.239

Accurate Mass: 144.150072

Percentage Composition: C 58.29%; H 12.58%; N 29.13%

>>Derivative: Chloride

CAS Registry Number: 30388-20-6

Molecular Formula: $\text{C}_7\text{H}_{18}\text{ClN}_3$

Molecular Weight: 179.692

Accurate Mass: 179.118924

Percentage Composition: C 46.79%; H 10.10%; Cl 19.73%; N 23.38%

Physical Description: Cryst. (DMF)

Melting Point: Mp 293°

>>Derivative: Methylsulfate

CAS Registry Number: 73159-62-3

Molecular Formula: $\text{C}_8\text{H}_{21}\text{N}_3\text{O}_4\text{S}$

Molecular Weight: 255.338

Accurate Mass: 255.125277

Percentage Composition: C 37.63%; H 8.29%; N 16.46%; O 25.06%; S 12.56%

Physical Description: Cryst. (EtOH/Me₂CO)

Melting Point: Mp 196°

Other Data: Various other salts known

References:

Kantlehner, W. *et al.*, *Annalen*, 1984, 108, (*synth*)