



>>Entry Name: Tetraoctadecylammonium(1+), 8Cl

Synonym(s): *N,N,N*-Trioctadecyl-1-octadecanaminium, 9Cl

CAS Registry Number: 59128-98-2

Related CAS Registry Numbers(s): 26509-41-1 108007-47-2 135438-88-9

$[\text{H}_3\text{C}(\text{CH}_2)_{17}]_4\text{N}^{(+)}$

Molecular Formula: $\text{C}_{72}\text{H}_{148}\text{N}^{(+)}$

Molecular Weight: 1027.968

Accurate Mass: 1027.161174

Percentage Composition: C 84.13%; H 14.51%; N 1.36%

>>Derivative: Bromide

CAS Registry Number: 63462-99-7

Molecular Formula: $\text{C}_{72}\text{H}_{148}\text{BrN}$

Molecular Weight: 1107.872

Accurate Mass: 1106.09951

Percentage Composition: C 78.06%; H 13.46%; Br 7.21%; N 1.26%

Physical Description: Hygroscopic solid

Melting Point: Mp 103-105°

References:

Cheng, J. *et al.*, *Magn. Reson. Chem.*, 1992, **30**, 917, (*cmr*)

Wang, Q. *et al.*, *J. Polym. Sci., Part B: Polym. Phys.*, 1994, **32**, 2653-2659, (*cryst struct*)