



>>Entry Name: Tetrakis(decyl)ammonium(1+), 8Cl

Synonym(s): *N,N,N*-Tris(decyl)-1-decanaminium(1+), 9Cl

CAS Registry Number: 48078-03-1

$[\text{H}_3\text{C}(\text{CH}_2)_9]_4\text{N}^{(+)}$

Molecular Formula: $\text{C}_{40}\text{H}_{84}\text{N}^{(+)}$

Molecular Weight: 579.11

Accurate Mass: 578.660374

Percentage Composition: C 82.96%; H 14.62%; N 2.42%

>>Derivative: Bromide

CAS Registry Number: 14937-42-9

Molecular Formula: $\text{C}_{40}\text{H}_{84}\text{BrN}$

Molecular Weight: 659.014

Accurate Mass: 657.59871

Percentage Composition: C 72.90%; H 12.85%; Br 12.12%; N 2.13%

Melting Point: Mp 88-89°

Aldrich: 36517-3

Fluka: 87580

Sigma: T7033

>>Derivative: Iodide

CAS Registry Number: 22026-36-4

Molecular Formula: $\text{C}_{40}\text{H}_{84}\text{IN}$

Molecular Weight: 706.015

Accurate Mass: 705.564847

Percentage Composition: C 68.05%; H 11.99%; I 17.97%; N 1.98%

Physical Description: Cryst. (EtOH aq. or EtOAc)

Melting Point: Mp 118-120°

References:

Eriksen, S.P. *et al.*, *J.O.C.*, 1960, **25**, 849, (*iodide*)