



>>Entry Name: Disiquonium(1+)

Synonym(s): *N*-Decyl-*N*-methyl-*N*-[3-(trimethoxysilyl)propyl]-1-decanaminium, 9Cl

CAS Registry Number: 114431-91-3

(MeO)₃SiCH₂CH₂CH₂N⁽⁺⁾Me[(CH₂)₉CH₃]₂

Molecular Formula: C₂₇H₆₀NO₃Si⁽⁺⁾

Molecular Weight: 474.861

Accurate Mass: 474.434246

Percentage Composition: C 68.29%; H 12.74%; N 2.95%; O 10.11%; Si 5.91%

>>Derivative: Chloride

Synonym(s): Disiquonium chloride, INN, USAN

CAS Registry Number: 68959-20-6

Type of Compound Code(s): XA2200 XA1150

Molecular Formula: C₂₇H₆₀ClNO₃Si

Molecular Weight: 510.314

Accurate Mass: 509.403098

Percentage Composition: C 63.55%; H 11.85%; Cl 6.95%; N 2.74%; O 9.41%; Si 5.50%

Use/Importance: Antiseptic

Other Data: Yellow-orange soln. in MeOH

References:

U.S. Pat., 1983, 4 394 378; *CA*, **99**, 176050z, (*synth*)

Huettinger, K.J. *et al.*, *Chem.-Ing.-Tech.*, 1987, **59**, 516, (*synth*)