



CAS Registry Number: 62037-46-1
Extra CAS Registry Numbers(s): 34839-12-8
Physical Description: Cryst.
Melting Point: Mp 103-104°

>>**Derivative:** *N,N,N*-Tri-Me, chloride

CAS Registry Number: 3327-22-8
Extra CAS Registry Numbers(s): 115993-13-0
Molecular Formula: C₆H₁₅Cl₂NO
Molecular Weight: 188.096
Accurate Mass: 187.053068
Percentage Composition: C 38.31%; H 8.04%; Cl 37.70%; N 7.45%; O 8.51%
Source/Synthesis: Synth. from (Chloromethyl)oxirane [HHW30-I](#) and [CVH29-I](#)
Use/Importance: Cationisation agent for cellulose and starch
Physical Description: Cryst. (EtOH)
Melting Point: Mp 190°

>>**Derivative:** *N,N,N*-Tri-Me, iodide

Molecular Formula: C₆H₁₅ClINO
Molecular Weight: 279.548
Accurate Mass: 278.988689
Percentage Composition: C 25.78%; H 5.41%; Cl 12.68%; I 45.40%; N 5.01%; O 5.72%
Physical Description: Prisms (Et₂O/EtOH)
Melting Point: Mp 140-150°

References:

Ingold, C., *J.C.S.*, 1931, 1672, (*N,N,N*-tri-Me)
Slobodin, Y.M. *et al.*, *Zh. Obshch. Khim.*, 1956, **26**, 694; *J. Gen. Chem. USSR (Engl. Transl.)*, 1956, **26**, 797, (*N,N,N*-tri-Me)
U.S. Pat., 1964, 3 135 788; *CA*, **61**, 5760d, (*N,N,N*-tri-Me)
Paul, R. *et al.*, *J.O.C.*, 1975, **40**, 1653-1656, (*synth, resoln*)
Voefray, R. *et al.*, *Helv. Chim. Acta*, 1987, **70**, 2058-2060, (*N,N,N*-tri-Me, *resoln, ir, pmr*)