



**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:** C<sub>6</sub>H<sub>15</sub>Cl<sub>2</sub>NO  
**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:** C<sub>6</sub>H<sub>15</sub>ClINO  
**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 (Et<sub>2</sub>O/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*)