



>>Entry Name: 1-Amino-2,2,2-trichloroethanol, 8Cl

Synonym(s): Chloral ammonia

CAS Registry Number: 507-47-1

Cl3CCH(OH)NH2

Molecular Formula: C2H4Cl3NO

Molecular Weight: 164.418

Accurate Mass: 162.935845

Percentage Composition: C 14.61%; H 2.45%; Cl 64.69%; N 8.52%; O 9.73%

>>Variant: (±)-form

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Source/Synthesis: NH3 addn. compd. of Trichloroacetaldehyde [CXJ63-M](#)

Physical Description: Needles; cryst. (pentane)

Melting Point: Mp 72-74°

Solubility: Insol. H2O; sol. C6H6, Et2O

Other Data: Slowly diss. in H2O with dec.

>>Derivative: N-Ac

Synonym(s): N-(2,2,2-Trichloro-1-hydroxyethyl)acetamide, 9Cl. Chloralacetamide

CAS Registry Number: 5445-85-2

Molecular Formula: C4H6Cl3NO2

Molecular Weight: 206.455

Accurate Mass: 204.94641

Percentage Composition: C 23.27%; H 2.93%; Cl 51.52%; N 6.78%; O 15.50%

Physical Description: Plates (H2O)

Melting Point: Mp 158°

Solubility: Sol. hot H2O; insol. Et2O

Rare Chemicals Library: S26647-7

References:

Jacobsen, O., *Annalen*, 1871, **157**, 243

Feist, F., *Ber.*, 1912, **45**, 957, (*synth*)

Meldrum, A.N. *et al.*, *J. Indian Chem. Soc.*, 1934, **11**, 529

Larocca, J.P. *et al.*, *J.O.C.*, 1951, **16**, 47, (*synth*)