



>>Entry Name: (3-Chloropropyl)triethoxysilane, 9Cl

Synonym(s): Triethoxysilylpropyl chloride. 1-Chloro-3-triethylsilyloxypropane

CAS Registry Number: 5089-70-3

ClCH2CH2CH2Si(OEt)3

Molecular Formula: $C_9H_{21}ClO_3Si$

Molecular Weight: 240.801

Accurate Mass: 240.094849

Percentage Composition: C 44.89%; H 8.79%; Cl 14.72%; O 19.93%; Si 11.66%

Source/Synthesis: Synth. from ClCH2CH=CH2 + $(EtO)_3SiH$ + H_2PtCl_6

Use/Importance: Coupling agent for filled composites

Physical Description: Liq.

Boiling Point: B_{p12} 106.3°

Density: d_{25}^{25} 0.999

Refractive Index: n_D^{25} 1.4173

Aldrich: 43568-6

Fluka: 26249

References:

Ryan, J.W. *et al.*, *J.A.C.S.*, 1960, **82**, 3601, (*synth*)

Fialova, V. *et al.*, *Coll. Czech. Chem. Comm.*, 1973, **38**, 3837, (*synth*)

Ger. Pat., 1981, 2 933 345; *CA*, **94**, 158147, (*use*)