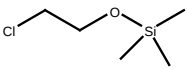
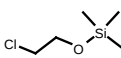


Query

	Query	Results	Date
1. Query	 Search as: As drawn	1 substances	2012-02-13 00h:04m:20s (EST)

Reaxys ID 1734569 View in Reaxys		1/1		
		Chemical Name: Cl(CH ₂) ₂ OSiMe ₃ ; 2-chloroethoxytrimethylsilane; me ₃ Si(Oet-2-Cl); (2-chloro-ethoxy)-trimethyl-silane; 1-chloro-2-trimethylsilanyloxy-ethane; (2-Chlor-aethoxy)-trimethylsilan; (2-chloro-ethoxy)-trimethylsilane Molecular Formula: C ₅ H ₁₃ ClOSi CAS Registry Number: 18157-17-0 Molecular Weight: 152.696 Linear Structure Formula: (CH ₃) ₃ Si(OCH ₂ CH ₂ Cl) Type of Substance: acyclic InChIKey: SJIIMFTWFLNSKY-UHFFFAOYSA-N Note:		
Substance Label (2)				
Label	References			
Substrate, Tab.4, run 2	Tajbakhsh, M.; Lakouraj, M. M.; Shirini, F.; Habibzadeh, S.; Nikdoost, A.; Tetrahedron Letters; vol. 45; nb. 14; (2004); p. 3295 - 3300, View in Reaxys			
Entry 13 - substrate	Lakouraj, M. M.; Tajbakhsh, M.; Khojasteh, V.; Phosphorus, Sulfur and Silicon and the Related Elements; vol. 178; nb. 9; (2003); p. 1865 - 1870, View in Reaxys			
Crossfile Reference (3)				
Data Type	Name	Crossfile Source	External Access ID	References
	2-CHLOROETHOXYTRIMETHYLSILANE, 98 PERCENT	Aldrich	270199	Beilstein Handbook , View in Reaxys
13C-NMR Spectrum	(2-CHLOROETHOXY)-TRIMETHYL-SILANE	SpecInfo Database	STCC-49560-145 M	
	2-Chloroethoxytrimethylsilane	Lancaster Synthesis Ltd.	10874	Beilstein Handbook , View in Reaxys
Boiling Point (10)				
Boiling Point [°C]	Pressure [Torr]	References		
132		Mander, Lewis N.; Turner, John V.; Tetrahedron Letters; vol. 22; nb. 41; (1981); p. 4149 - 4152, View in Reaxys		
134.3		Markov et al.; J. Anal. Chem. USSR (Engl. Transl.); vol. 34; (1979); p. 2040,1581,1582, View in Reaxys		
129	760	Riess,J.G.; Robert,D.U.; Bulletin de la Societe Chimique de France; (1975); p. 425 - 431, View in Reaxys		
132	760	Pola,J. et al.; Collection of Czechoslovak Chemical Communications; vol. 39; (1974); p. 3705 - 3710, View in Reaxys		
50	35	Torri; Comptes Rendus des Seances de l'Academie des Sciences, Serie C: Sciences Chimiques; vol. 277; (1973); p. 1053, View in Reaxys		
55 - 56	50	vol. Si: MVol.C; 79, page 219 - 221, View in Reaxys ; Patent; anonymous; British Thomson-Houston Co.; GB591857; (1947); C. A.; (1948); p. 1316, View in Reaxys ; Patent; anonymous; British Thomson-Houston Co.; GB591857; (1947); C. A.; (1948); p. 1316 ; (from Gmelin) , View in Reaxys		
134.3	760	Sauer; Patnode; Journal of the American Chemical Society; vol. 67; (1945); p. 1548, View in Reaxys		
131 - 132	748	vol. Si: MVol.C; 79, page 219 - 221, View in Reaxys ; Patent; Sauer, R. O.; General Electric Co.; US2381138; (1945); C. A.; (1945); p. 4890, View in Reaxys ; Patent; Sauer, R. O.; General Electric Co.; US2381138; (1945); C. A.; (1945); p. 4890 ; (from Gmelin) , View in Reaxys		
134.3	760	Sauer, R. O.; Patnode, W. I.; Journal of the American Chemical Society; vol. 67; (1945); p. 1548 - 1549, View in Reaxys ; vol. Si: MVol.C; 79, page 219 - 221 ; (from Gmelin) , View in Reaxys		
131 - 132	748	Patent; Gen.Electric Co.; US2381138; (1942), View in Reaxys		
Refractive Index (3)				

Refractive Index	Wavelength [nm]	Temperature [°C]	References
1.4119	589	20	Pola,J. et al. ; Collection of Czechoslovak Chemical Communications; vol. 39; (1974); p. 3705 - 3710, View in Reaxys
1.414	589	20	Sauer; Patnode ; Journal of the American Chemical Society; vol. 67; (1945); p. 1548, View in Reaxys
1.414	589	20	Sauer, R. O.; Patnode, W. I. ; Journal of the American Chemical Society; vol. 67; (1945); p. 1548 - 1549, View in Reaxys ; vol. Si: MVol.C; 79, page 219 - 221 ; (from Gmelin) , View in Reaxys
Density of the Liquid (1)			
Density of the Liquid	Reference Temperature [°C]	Measurement Temperature [°C]	References
0.9443	4	20	Sauer; Patnode ; Journal of the American Chemical Society; vol. 67; (1945); p. 1548, View in Reaxys
Association (MCS) (1)			
1 of 1	Description	Spectrum of the complex	
	Pola et al. ; Collection of Czechoslovak Chemical Communications; vol. 41; (1976); p. 239,241, View in Reaxys		
Azeotropes (MCS) (2)			
Temperature [°C]	Azeotropes	References	
	2-chloro-ethanol	Sauer, R. O.; Patnode, W. I. ; Journal of the American Chemical Society; vol. 67; (1945); p. 1548 - 1549, View in Reaxys ; vol. Si: MVol.C; 79, page 219 - 221, View in Reaxys ; Patent; Sauer, R. O.; General Electric Co. ; US2381138; (1945); C. A.; (1945); p. 4890, View in Reaxys ; Patent; anonymous; British Thomson-Houston Co. ; GB591857; (1947); C. A.; (1948); p. 1316, View in Reaxys ; Patent; Sauer, R. O.; General Electric Co. ; US2381138; (1945); C. A.; (1945); p. 4890, View in Reaxys ; Patent; anonymous; British Thomson-Houston Co. ; GB591857; (1947); C. A.; (1948); p. 1316 ; (from Gmelin) , View in Reaxys	
120	2-chloro-ethanol- (1)	Sauer; Patnode ; Journal of the American Chemical Society; vol. 67; (1945); p. 1548, View in Reaxys	
Density of the Crystal (1)			
Density of the Crystal [gcm-3]	Temperature [°C]	References	
0.9443	20	Sauer, R. O.; Patnode, W. I. ; Journal of the American Chemical Society; vol. 67; (1945); p. 1548 - 1549, View in Reaxys ; vol. Si: MVol.C; 79, page 219 - 221, View in Reaxys ; Patent; Sauer, R. O.; General Electric Co. ; US2381138; (1945); C. A.; (1945); p. 4890, View in Reaxys ; Patent; anonymous; British Thomson-Houston Co. ; GB591857; (1947); C. A.; (1948); p. 1316, View in Reaxys ; Patent; Sauer, R. O.; General Electric Co. ; US2381138; (1945); C. A.; (1945); p. 4890, View in Reaxys ; Patent; anonymous; British Thomson-Houston Co. ; GB591857; (1947); C. A.; (1948); p. 1316 ; (from Gmelin) , View in Reaxys	
Electrochemical Behaviour (1)			
Description	References		
Basicity	Jakoubkova et al. ; Collection of Czechoslovak Chemical Communications; vol. 41; (1976); p. 2701,2702, View in Reaxys		
Further Information (1)			
Description	References		
Further information	Pola; Chvalovsky ; Collection of Czechoslovak Chemical Communications; vol. 43; (1978); p. 3385,3387, View in Reaxys		
NMR Spectroscopy (11)			
1 of 11	Description	Chemical shifts	
	Nucleus	29Si	
	Solvents	CDCl3	
	Temperature [°C]	22 - 24	
	Kvicalova, Magdalena; Cermak, Jan; Blechta, Vratislav; Schraml, Jan ; Collection of Czechoslovak Chemical Communications; vol. 62; nb. 5; (1997); p. 816 - 820, View in Reaxys		
2 of 11	Description	Chemical shifts	
	Nucleus	1H	

	Solvents	CDCl3
	Roos, Christopher; McGibbon, Graham A.; Brook, Michael A. ; Canadian Journal of Chemistry; vol. 74; nb. 8; (1996); p. 1470 - 1479, View in Reaxys	
3 of 11	Description	Spin-spin coupling constants
	Solvents	CDCl3
	Comment	1H-1H
	Roos, Christopher; McGibbon, Graham A.; Brook, Michael A. ; Canadian Journal of Chemistry; vol. 74; nb. 8; (1996); p. 1470 - 1479, View in Reaxys	
4 of 11	Description	Chemical shifts
	Nucleus	13C
	Solvents	CDCl3
	Temperature [°C]	28
	Poleschner, Helmut; Heydenreich, Matthias ; Magnetic Resonance in Chemistry; vol. 29; nb. 12; (1991); p. 1231 - 1232, View in Reaxys	
5 of 11	Description	Chemical shifts
	Nucleus	1H
	Mander, Lewis N.; Turner, John V. ; Tetrahedron Letters; vol. 22; nb. 41; (1981); p. 4149 - 4152, View in Reaxys	
6 of 11	Description	Spin-spin coupling constants
	Comment	1H-1H
	Mander, Lewis N.; Turner, John V. ; Tetrahedron Letters; vol. 22; nb. 41; (1981); p. 4149 - 4152, View in Reaxys	
7 of 11	Description	Chemical shifts
	Nucleus	13C
	Feshin, V. P.; Khamaganova, L. D.; Voronkov, M. G.; Yasman, Ya. B.; Kuramshin, R. A. ; Bulletin of the Academy of Sciences of the USSR, Division of Chemical Science (English Translation); vol. 29; nb. 3; (1980); p. 388 - 392; Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya; nb. 3; (1980); p. 569 - 574, View in Reaxys	
8 of 11	Description	Spin-spin coupling constants
	Comment	1H-13C
	Feshin, V. P.; Khamaganova, L. D.; Voronkov, M. G.; Yasman, Ya. B.; Kuramshin, R. A. ; Bulletin of the Academy of Sciences of the USSR, Division of Chemical Science (English Translation); vol. 29; nb. 3; (1980); p. 388 - 392; Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya; nb. 3; (1980); p. 569 - 574, View in Reaxys	
9 of 11	Description	NMR
	Schraml,J.; Nguyen-Duc-Chuy ; Organic Magnetic Resonance; vol. 7; (1975); p. 379, View in Reaxys ; Andrianov et al. ; J. Gen. Chem. USSR (Engl. Transl.); vol. 48; (1978); p. 1116,1018, View in Reaxys ; Torri ; Comptes Rendus des Seances de l'Academie des Sciences, Serie C: Sciences Chimiques; vol. 277; (1973); p. 1053, View in Reaxys ; Schraml et al. ; Collection of Czechoslovak Chemical Communications; vol. 41; (1976); p. 360,366, View in Reaxys ; Pola et al. ; Collection of Czechoslovak Chemical Communications; vol. 41; (1976); p. 239,241, View in Reaxys	
10 of 11	Description	Chemical shifts
	Nucleus	29Si
	Pestunovich,V.A. et al. ; Doklady Chemistry; vol. 233; (1977); p. 177 - 180; Dokl. Akad. Nauk SSSR Ser. Khim.; vol. 233; nb. 3; (1977); p. 373 - 374, View in Reaxys	
11 of 11	Description	Spin-spin coupling constants
	Pola et al. ; Collection of Czechoslovak Chemical Communications; vol. 41; (1976); p. 239,241, View in Reaxys	
IR Spectroscopy (2)		
Description	References	
IR	Jakoubkova et al. ; Collection of Czechoslovak Chemical Communications; vol. 41; (1976); p. 2701,2702, View in Reaxys ; Torri ; Comptes Rendus des Seances de l'Academie des Sciences, Serie C: Sciences Chimiques; vol. 277; (1973); p. 1053, View in Reaxys ; Pola; Chvalovsky ; Collection of Czechoslovak Chemical Communications; vol. 42; (1977); p. 484,486, View in Reaxys	

Bands	Pola et al. ; Collection of Czechoslovak Chemical Communications; vol. 41 ; (1976); p. 239,241, View in Reaxys
Mass Spectrometry (1)	
Description	References
spectrum	Mander, Lewis N.; Turner, John V. ; Tetrahedron Letters; vol. 22 ; nb. 41; (1981); p. 4149 - 4152, View in Reaxys
NQR Spectroscopy (1)	
Description	References
Nuclear quadrupole resonance	Pola et al. ; Collection of Czechoslovak Chemical Communications; vol. 41 ; (1976); p. 239,241, View in Reaxys