

TABLE 2. Constants of Adducts $R_3-n(CH_3O)_nSiCHCH_2Si(OCH_3)_nR_3-n$

Comp- pound	R	R'	n	Yield, % (p. mm of Hg)	n_D^{20}	d_4^{20}	MR		Found, %			Empirical formula	Calculated, %			Irrad- ation time, hr		
							found	cal- cul- ated	C	H	S		Si	C	H		S	Si
(I)	CH ₃	C ₆ H ₅	1	35.0	1.4630	0.9368	85,65	86,49	49,00	10,41	10,53	19,14	C ₁₂ H ₂₀ O ₂ SSi ₂	48,97	10,20	10,88	19,01	24
(II)	CH ₃	C ₆ H ₅	2	36,5	1,4525	1,0101	87,31	88,12	43,94	9,41	9,85	17,35	C ₂₄ H ₃₀ O ₄ SSi ₂	44,13	9,25	9,81	17,25	54
(III)	—	C ₆ H ₅	3	31,6	1,4430	1,0686	88,95	89,76	40,96	8,72	8,50	14,62	C ₃₆ H ₅₀ O ₆ SSi ₂	40,19	8,42	8,94	15,66	45
(IV)	CH ₃	COCH ₃	1	32,4	1,4640	1,0092	76,70	77,14	42,95	8,56	11,68	20,60	C ₁₀ H ₁₂ O ₂ SSi ₂	42,81	8,62	11,43	20,00	58
(V)	CH ₃	COCH ₃	2	45,2	1,4555	1,0891	78,18	78,79	38,40	8,08	10,08	18,25	C ₁₀ H ₁₂ O ₂ SSi ₂	38,31	7,71	10,22	17,91	40
(VI)	—	COCH ₃	3	30,0	1,4490	1,1727	78,96	80,43	33,87	7,13	9,29	17,76	C ₁₀ H ₁₂ O ₂ SSi ₂	34,86	7,01	9,30	16,30	40
(VII)	CH ₃ + C ₂ H ₅	C ₆ H ₅	1	45,6	1,4635	0,9470	93,93	95,78	51,52	10,45	9,56	16,98	C ₁₂ H ₂₀ O ₂ SSi ₂	52,14	10,62	9,93	17,44	42
(VIII)	CH ₃ + C ₂ H ₅	COCH ₃	1	31,0	1,4710	1,0013	86,16	86,45	44,54	8,69	10,53	18,67	C ₁₂ H ₂₀ O ₂ SSi ₂	46,77	9,17	10,39	18,22	39
(IX)	C ₂ H ₅	COCH ₃	1	30,8	1,4720	0,9306	95,80	95,75	49,10	9,39	9,00	17,51	C ₁₄ H ₂₂ O ₂ SSi ₂	49,99	9,58	9,52	16,68	58
(X)	CH ₃	COCH ₃	1	40,0	1,5130	1,0223	92,49	92,02	53,35	8,37	10,47	17,48	C ₁₄ H ₂₂ O ₂ SSi ₂	53,45	8,33	10,19	17,86	30
(XI)	CH ₃	CH ₃	1	80,0	1,4600	0,9547	72,44	72,53	42,84	9,58	12,99	22,09	C ₆ H ₁₀ O ₂ SSi ₂	42,80	9,58	12,69	22,24	28
(XII)	CH ₃	CH ₃	2	78,2	1,4540	1,0311	74,72	74,18	38,15	8,70	11,39	19,86	C ₆ H ₁₀ O ₂ SSi ₂	37,99	8,50	11,27	19,75	28
(XIII)	—	CH ₃	3	72,8	1,4360	1,1166	74,41	74,30	34,10	7,74	8,48	17,90	C ₆ H ₁₀ O ₂ SSi ₂	34,15	7,64	10,12	17,74	28
(XIV)	CH ₃ + C ₂ H ₅	CH ₃	1	73,3	1,4640	0,9479	81,67	81,78	46,85	9,83	11,53	19,88	C ₁₀ H ₁₂ O ₂ SSi ₂	47,08	9,91	11,42	20,02	28

TABLE 3. Constants of Adducts $(CH_3)_3SiCHCH_2Si(OCH_3)_n(CH_3)_3-n + (CH_3)_3SiCH_2CHSi(OCH_3)_n(CH_3)_3-n$

Com- pound	R	n	Yield, % (p. mm of Hg)	bp, °C (p. mm of Hg)	n_D^{20}	d_4^{20}	MR		Found, %			Empirical formula	Calculated, %				
							found	cal- cul- ated	C	H	S		Si	C	H	S	Si
(XV)	C ₆ H ₅	1	83,4	141(6)	1,4646	0,8963	85,87	85,66	51,97	10,96	11,47	20,43	C ₁₂ H ₂₀ O ₂ SSi ₂	51,73	10,85	11,57	20,17
(XVI)	CaH ₆	2	77,2	118(4)	1,4595	0,9288	86,79	86,48	49,09	10,59	10,72	19,35	C ₁₂ H ₂₀ O ₂ SSi ₂	48,92	10,27	10,88	19,07
(XVII)	C ₆ H ₅	3	76,9	122(6)	1,4555	0,9624	87,68	87,30	46,24	9,82	10,28	17,48	C ₁₂ H ₂₀ O ₂ SSi ₂	46,40	9,74	10,32	18,09
(XVIII)	COCH ₃	1	92,0	109(6)	1,4680	0,9512	77,31	76,34	45,46	9,24	12,29	21,36	C ₁₀ H ₁₂ O ₂ SSi ₂	45,41	9,15	12,12	21,24
(XIX)	COCH ₃	2	80,2	112(6)	1,4656	0,9975	77,84	77,16	42,79	8,80	11,67	20,62	C ₁₀ H ₁₂ O ₂ SSi ₂	42,81	8,61	11,43	20,03
(XX)	COCH ₃	3	74,6	104(2)	1,4592	1,0267	79,00	77,98	40,44	8,24	10,82	18,89	C ₁₀ H ₁₂ O ₂ SSi ₂	40,51	8,16	10,82	18,95
(XXI)	CH ₃	1	68,7	100(13)	1,4660	0,9147	71,61	71,71	45,55	10,33	13,28	23,73	C ₆ H ₁₀ O ₂ SSi ₂	45,70	10,22	13,55	23,75
(XXII)	CH ₃	2	71,4	98(9)	1,4570	0,9612	71,55	72,53	42,76	9,60	12,30	22,47	C ₆ H ₁₀ O ₂ SSi ₂	42,87	9,59	12,69	22,24
(XXIII)	CH ₃	3	72,8	105(7)	1,4504	0,9848	73,36	73,60	41,48	9,11	10,60	20,47	C ₆ H ₁₀ O ₂ SSi ₂	40,25	9,08	11,19	20,91

LITERATURE CITED

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