

ERRATA

THE ASYMMETRIC BROMINATION OF ALKENES IN THE PRESENCE OF *Cinchona* ALKALOIDS. G. Berti and A. Marsili, *Tetrahedron* **22**, 2977 (1966).

Page 2979, Table 2, last line.
Change -0.86° to $+0.86^\circ$.

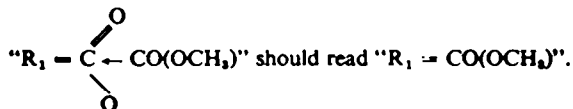
Page 2979, footnote to Table 2
Change 3-Bromonortricyclene to ³Bromonortricyclene.

Page 2982, 10th line from bottom
Change "would be asymmetric" to "would be symmetric".

Page 2987, 6th line from bottom
Change "fraction III" to fraction II".

THE DIELS-ALDER REACTION BETWEEN STYRENE AND METHYL SORBATE. The Structure of Four Isomeric Adducts. O. Korver, T. L. Kwa and C. Boelhouwer, *Tetrahedron* **22**, 3305 (1966).

Page 3305, in the line after formulae I-IV,



SYNTHESEN VON PYRYLIUMSALZEN DURCH KONDENSATION VON β -DICARBONYLVERBINDUNGEN MIT KETONEN. G. N. Dorofeenko, Ju. A. Shdanow, G. I. Shungijetu und S. W. Kriwun, *Tetrahedron* **22**, 1821 (1966).

The tables on pp. 1566-1568 should be included.

TABELLE 1. • DIE PYRYLIUMPERCHLORATE, DIE AUS DEM FORMYLMETHYLÄTHYLEKTON SYNTHESIIERT WIRD

Pyryliumperchlorat	Ausb %	Schmp. °C	IR-Spekt cm ⁻¹	R _f	Gef. %			Bruttoformel	Ber. %		
					C	H	Cl		C	H	Cl
(1) 2,3-Dimethyl-6- Phenyl-	12	169.5	1618, 1565	0.26	55.27	4.53	12.02	C ₁₈ H ₁₇ ClO ₄	54.83	4.57	12.48
(2) 2,3-Dimethyl-6- (<i>p</i> -Methoxyphenyl)	18	168	1610, 1558	0.37	53.38	4.84	11.70	C ₁₈ H ₁₇ ClO ₄	53.42	4.77	11.29
(3) 2,3-Dimethyl-6- (<i>p</i> -Äthoxyphenyl)-	8	176	1618	0.42	55.20	5.13	11.30	C ₁₈ H ₁₇ ClO ₄	54.79	5.17	10.80
(4) 2,3-Dimethyl-5,6,7,8- Tetrahydrobeaz- pyrylium	35	140	1628, 1544	—	51.03	5.70	12.24	C ₁₁ H ₁₁ ClO ₄	50.28	5.71	13.52
(5) 2,3-Dimethyl-5,6- Dihydronaphtho- pyrylium	9	200- 201	1620, 1566	0.15	57.79	4.73	10.86	C ₁₈ H ₁₇ ClO ₄	57.97	4.83	11.43

• Alle Pyryliumsalze werden aus dem Wasser unkrystallisiert. Die Salze (5) wird aus dem Äthanol umkrystallisiert.

TABELLE 2. DIE PYRYLIUMPERCHLORATE, DIE AUS DEM HYDROXYMETHYLENCYCLOHEXANON SYNTHESIER WIRD

Pyryliumperchlorate	Ausb. %	Schmp. °C	IR-Spekt. cm ⁻¹	R _f	Gef. %			Ber. %			
					C	H	Cl	C	H	Cl	
(1) 2-Methyl-5,6,7,8-Tetrahydrochromilium	32.4	141-143	1619	0.95	48.68	5.40	13.7	C ₁₀ H ₁₁ ClO ₄	48.38	5.24	14.10
(2) 2-Phenyl-5,6,7,8-Tetrahydrochromilium	23.0	163-165	1617	0.246	57.72	4.85	10.77	C ₁₈ H ₁₁ ClO ₄	58.05	4.84	11.29
(3) 2-(<i>p</i> -Methoxyphenyl)-5,6,7,8-Tetrahydrochromilium	13.2	165	1618, 1609 1575, 1563	0.226	56.37	4.92	10.36	C ₁₈ H ₁₁ ClO ₄	56.47	5.00	10.29
(4) 2-(<i>p</i> -Äthoxyphenyl)-5,6,7,8-Tetrahydrochromilium	25.4	185	1618, 1609	0.258	57.26	5.49	10.06	C ₁₇ H ₁₁ ClO ₄	57.62	5.36	9.88
(5) 2-(3',4'-Dimethoxyphenyl)-5,6,7,8-Tetrahydrochromilium	15.6	177	1619, 1598 1548	—	54.72	5.08	9.10	C ₁₇ H ₁₁ ClO ₇	54.72	5.08	9.58
(6) 2-(α -Thienyl)-5,6,7,8-Tetrahydrochromilium	24	188	1609	0.22	49.77	4.45	10.79	C ₁₉ H ₁₁ ClO ₄ S	49.40	4.11	11.07
(7) <i>Symm.</i> Oktahydroxantylum	55	155	1612	0.18	53.92	6.15	12.51	C ₁₈ H ₁₁ ClO ₄	54.16	5.90	12.15
(8) 2,3-Trimethylen-5,6,7,8-Tetrahydrochromilium	23	127-128	1617, 1584	0.77	52.93	5.65	13.07	C ₁₉ H ₁₁ ClO ₄	52.55	5.47	12.92
(9) 7,8-Benzotetrahydroxantylum	10	153	—	0.38	60.10	5.13	10.45	C ₁₇ H ₁₁ ClO ₄	60.71	5.05	10.41
(10) 2-(<i>p</i> -Methoxyphenyl)-3-Methyl-5,6,7,8-Tetrahydrochromylum	13.5	147	1602, 1577	0.40	57.40	5.19	9.60	C ₁₇ H ₁₁ ClO ₄	57.54	5.35	10.01
(11) 2-(<i>p</i> -Äthoxyphenyl)-3-Methyl-5,6,7,8-Tetrahydrochromylum	10	168-169	1605, 1578	0.36	57.37	5.76	9.10	C ₁₈ H ₁₁ ClO ₄	58.51	5.69	9.63

TABELLE 3. DIE PYRYLIUMPERCHLORATE, DIE AUS DEM HYDROXYMETHYLENTETRALON-1 SYNTHESIERT WIRD

Pyryliumperchlorat	Ausb. %	Schmp. °C	IR-Spektir cm ⁻¹	R _f	Gef. %			Bruttoformell			Ber. %		
					C	H	Cl	C	H	Cl	C	H	Cl
(1) 2-Methyl-5,6-Dihydro-naphthopyrylium	28.7	149	1620, 1553	0.357	56.93	4.63	11.52	C ₁₄ H ₁₃ ClO ₄	4.39	56.75	4.39	11.97	
(2) 2-Phenyl-5,6-Dihydro-naphthopyrylium	23.7	202	1614, 1555	0.25	63.90	4.41	9.71	C ₁₈ H ₁₆ ClO ₄	4.19	63.69	4.19	9.77	
(3) 2-(p-Methoxyphenyl)-5,6-Dihydronaphthopyrylium	23.2	188-189	1602, 1546	0.21	61.87	4.43	9.01	C ₂₀ H ₁₇ ClO ₄	4.38	61.85	4.38	9.13	
(4) 1,2,7,8-Dibenz-3,4,5,6-Tetrahydroxanylium	22.1	236	1614, 1562	0.32	65.17	4.60	8.70	C ₂₁ H ₁₇ ClO ₄	4.42	65.62	4.42	9.23	
(5) 1,2-Benz-3,4,5,6,7,8-hexahydroxanylium	11.9	156	1614, 1562	0.28	60.10	5.13	10.45	C ₁₇ H ₁₇ ClO ₄	5.05	60.71	5.05	10.41	
(6) 2,3-Trimethylen-5,6-Dihydronaphthopyrylium	37.2	179	1612, 1592 1565	0.32	59.82	4.78	10.59	C ₁₈ H ₁₆ ClO ₄	4.65	59.62	4.65	10.87	