

phy on silica gel.<sup>15</sup> The more polar isomer was identified as the undesired 3a,7-methanoperhydroazulen-6-one (13) by conversion to the  $\alpha$ -phenylseleno ketone and selenoxide elimination<sup>16</sup> to the corresponding  $\alpha,\beta$ -unsaturated ketone: NMR (CDCl<sub>3</sub>)  $\delta$  5.84 (dd, 1 H,  $J = 1.5$  and 10 Hz), 6.73 (d, 1 H,  $J = 10$  Hz).

Exhaustive methylation of 14 with potassium hydride and methyl iodide (THF, 25 °C, 1 h; reflux, 4 h)<sup>17</sup> afforded the known norprezizanone 15 (81–93%; oil;  $[\alpha]_D^{25} +7.6^\circ$  ( $c$  1.0, CHCl<sub>3</sub>)), the IR and NMR spectral characteristics of which are in accord with those reported.<sup>3</sup> Reaction of 15 with methyllithium in ether<sup>3</sup> furnished (–)-prezizanol (2) (74–85%; mp 35 °C;  $[\alpha]_D^{25} -49^\circ$  ( $c$  1.0, CHCl<sub>3</sub>)) which exhibited spectra (IR, NMR, and mass spectra), chromatographic mobility (GC and TLC), and specific optical rotation identical with those of an authentic sample of the natural product. Dehydration of (–)-prezizanol to (–)-

prezizaene (1) was accomplished with methanesulfonyl chloride and triethylamine (CH<sub>2</sub>Cl<sub>2</sub>, 0 °C; 62%). The IR and NMR spectra of the synthetic (–)-prezizaene are identical with the corresponding spectra of (+)-prezizaene derived from vetiver oil.

**Acknowledgment.** We thank Professor E. L. Ghisalberty for a generous sample of natural (–)-prezizanol and Professor E. Piers for copies of the IR and NMR spectra of (+)-prezizaene from vetiver oil. This research was supported in part by research grants from the National Science Foundation (No. 07513 and 05287) and the National Institute of General Medical Sciences (GM-13956).

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Received August 28, 1980

(15) A small amount (~10%) of the vinylhydrindenone was also formed by simple 1,2-hydrogen rearrangement.

(16) H. J. Reich, J. M. Renga, and I. L. Reich, *J. Am. Chem. Soc.*, **97**, 5434 (1975).

(17) A. A. Millard and M. W. Rathke, *J. Org. Chem.*, **43**, 1834 (1978).

## Additions and Corrections

Vol. 41, 1976

**E. G. Breitholle and C. H. Stammer.\*** Synthesis of Some Dehydrophenylalanine Peptides.

Page 1346. The scheme in the left hand column shows 13 being converted by various reagents into compounds 15, 16, 17, and 18. 13 should be replaced by 5a. In the discussion above the scheme starting with "Some further surprising...", 13 should be replaced by 5a in the remainder of that paragraph. As a consequence of this the four experiments, p 1348, in which 13 is supposedly used to make 15, 16, 17, and 18 are incorrect and 13 should be replaced with 5a.

Vol. 43, 1978

**Stanley J. Cristol,\* Robert M. Strom, and Dean P. Stull.** Bridged Polycyclic Compounds. 86. Multiple Mechanisms in the Reactions of Some Bridged Alcohols with Triphenylphosphine and Carbon Tetrachloride.

Page 1153, column 2, line 11: 7-Cl should be 6-Cl.

Vol. 44, 1979

**Friedrich W. Vierhapper and Ernest L. Eliel.\*** Conformational Analysis. 38. 8-*tert*-Butyl-*trans*-decahydroquinolines: <sup>13</sup>C and <sup>1</sup>H Nuclear Magnetic Resonance and Infrared Spectra: The N–H Conformational Equilibrium.

Page 1082, Table I, entry for C–CH<sub>3</sub> for compound 4m-HCl should read 29.5<sub>2</sub>.

**Josefina T. Baker and Stylianos Sifniades.\*** Synthesis and Properties of Pyrrolin-2-ones.

Page 2798. We call attention to a paper by M. Pinza and G. Pifferi, *Il Farmaco, Ed. Sci.*, **33**, 130 (1978), reporting a related synthesis of  $\Delta^3$ -pyrrolin-2-one.

**J. R. Handley,\* A. A. Swigar, and R. M. Silverstein.** A Route to Keto Acids (or Esters) or to Dicarboxylic Acids (or Esters) from  $\alpha$ -Alkylidene Cyclohexanones.

Page 2954. Corrected Supplementary Material. Compound 5: NMR (CDCl<sub>3</sub>)  $\delta$  1.47 (3 H, s), 1.64 (3 H, s), 1.76 (3 H, s), 2.38–2.84 (2 H, d of d), 5.10–5.28 (2 H, m), 5.88–6.16 (1 H, m); IR (thin film) 3090 (w), 2980 (w), 2920 (m), 2860 (w), 1790 (s), 1690 (s), 1640 (w), 1410 (w), 1370 (w), 1250 (m), 1185 (m), 1110 (m), 1055 (m), 950 (w), 920 (w) cm<sup>-1</sup>; mass spectrum,  $m/e$  (relative intensity) 39 (17), 41 (33), 42 (24), 43 (15), 44 (38), 53 (12), 55 (18), 67 (20), 68 (32), 69 (20), 70 (100), 71 (10), 81 (15), 95 (25), 96 (10), 109 (37), 123 (12), 124 (14), 151 (4), 166 (40), 167 (4).

**Magid Abou-Gharbia and Madeleine M. Joullié.\*** Cycloadditions of Ketenes with *N*-Fluorenylidenealkylamine and -arylamine Oxides. Synthesis of Spirooxazolidinones and Spiroisoxazolidinones.

Page 2964. Scheme II. Below structures 10 and 9 should read R = alkyl, R<sub>1</sub> = R<sub>2</sub> = C<sub>6</sub>H<sub>5</sub> (instead of R = alkyl, R<sub>1</sub> = R<sub>2</sub> = CH<sub>3</sub>).

**Jerry A. Hirsch.** Conformational Analysis of *N*-Acyl Derivatives of 1-Aza-3-cyclohexanone.

Page 3227. Professor W. A. Szarek has kindly informed me that some of my calculations are in error. Table I should be corrected so that the  $\Delta G_s^\ddagger$  (kcal/mol) for 1-benzoyl-3-piperidone are 14.11, 13.44, 14.46, 14.23, 14.48, 14.36, 14.34, 13.50, 13.98, 13.73, 13.72, 13.74, 13.60, 13.96, and 13.99, respectively; for 1-acetyl-3-piperidone they are 16.53 and 16.57; for 1-carbomethoxy-3-piperidone they are 14.26, 14.20, and 14.37; for 1-carbomethoxy-3-piperidone they are 14.02, 14.26, 14.28, and 14.31; and for 1-carbobenzyloxy-3-piperidone they are 14.14, 14.17, and 14.20. My