Additions and Corrections

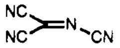
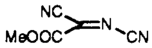
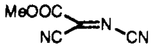
Vol. 55, 1990

Merrikh Ramezanian, Anne Buyle Padias, F. D. Saeva, and H. K. Hall, Jr.*. Synthesis and Reactions of Highly Electrophilic Imines Containing the *N*-Cyano Group.

Page 1769, Table I. Corrected values for the AM1 calculated HOMO, LUMO, and heat of formation for the *N*-cyanoimine derivatives are listed in the revised table.

The corrected values are now in line with those published in Saalfrank, R. W.; Lurz, C. J.; Hassa, J.; Danion, D.; Toupet, L. *Chem. Ber.* **1991**, *124*, 595.

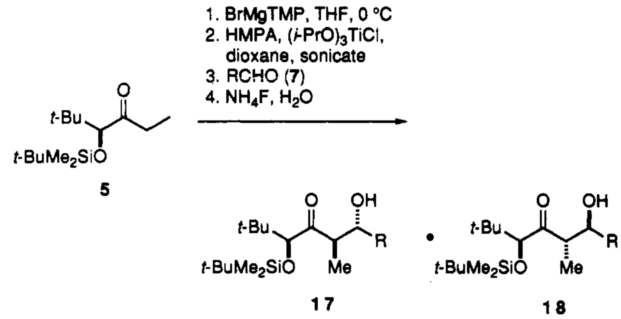
Table I. AM1 Molecular Orbital Calculations

	E HOMO, eV	*E* LUMO, eV	heat of formation, kcal/mol
	−11.52	−2.52	152.38
	−12.32	−2.19	135.2
	−11.85	−1.85	20.77
	−12.18	−1.80	19.48
	−11.58	−1.56	−94.71

Vol. 56, 1991

Nanine A. Van Draanen, Simeon Arseniyadis, Michael T. Crimmins, and Clayton H. Heathcock*. Protocols for the Preparation of Each of the Four Possible Stereoisomeric α-Alkyl-β-hydroxy Carboxylic Acids from a Single Chiral Aldol Reagent.

Page 2502, column 1. The first equation is incorrect and should be changed to the following:



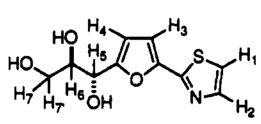
a: R = Me; b: R = *i*-Pr; c: R = *t*-Bu; d: R = Ph

In the General Procedure for Magnesium-Mediated Aldol Reactions, on page 2505, an important phrase was omitted. The text beginning on line 10 should be changed to "The enolate solution was then cooled to −78 °C and the aldehyde (2 mmol) was added dropwise.[25] The reaction mixture is warmed to approximately −5 °C (ice–acetone bath) and stirred for 30 min at this temperature. After 30 min, ...".

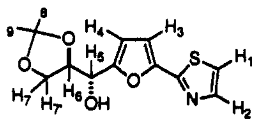
The ^{13}C NMR data given for compound **21b** is incorrect. The correct data are δ 12.81, 13.53, 19.76, 26.10, 29.13, 35.21, 44.38, 79.10, 84.52, 218.51.

Alessandro Dondoni* and Pedro Merino. Chemistry of the Enolates of 2-Acetylthiazole: Aldol Reactions with Chiral Aldehydes To Give 3-Deoxy Aldos-2-uloses and 3-Deoxy 2-Ulosonic Acids. A Short Total Synthesis of 3-Deoxy-D-*manno*-2-octulosonic Acid (KDO).

Page 5298, Scheme V. The structures of compounds **18** and **19** should be corrected as shown and the postulated intermediate **17** should be disregarded.



18



19

18: mp 134–135 °C (from ethyl acetate); $[\alpha]_D$ = +13.4° (*c* 0.8, MeOH); ^{1}H NMR 300 MHz (D$_2$O) δ 7.62 (d, H$_2$), 7.36 (d, H$_1$), 6.72 (d, H$_3$), 6.41 (d, H$_4$), 4.58 (d, H$_5$), 3.89 (ddd, H$_6$), 3.66 (dd, H$_7$), 3.51 (dd, H$_{7'}$). J(H$_1$–H$_2$) = 3.2 Hz, J(H$_3$–H$_4$) = 3.6 Hz, J(H$_5$–H$_6$) = 7.4 Hz, J(H$_6$–H$_7$) = 6.4 Hz, J(H$_6$–H$_{7'}$) = 3.5 Hz, J(H$_7$–H$_{7'}$) = 12.1 Hz.

19: mp 125–126 °C (from ethyl acetate–*n*-hexane); $[\alpha]_D$ = +35.9° (*c* 1, CHCl$_3$); ^{1}H NMR 300 MHz (CHCl$_3$) δ 7.81 (d, H$_2$), 7.31 (d, H$_1$), 6.97 (d, H$_3$), 6.51 (dd, H$_4$), 4.93 (ddd, H$_5$), 4.49 (ddd, H$_6$), 4.15 (dd, H$_7$), 4.08 (dd, H$_{7'}$), 2.62 (d, OH), 1.50 (s, CH$_3$), 1.41 (s, CH$_3$). J(H$_1$–H$_2$) = 3.2 Hz, J(H$_3$–H$_4$) = 3.6 Hz, J(H$_4$–H$_5$) = 0.8 Hz, J(H$_5$–H$_6$) = 5.1 Hz, J(H$_5$–OH) = 3.5 Hz; J(H$_6$–H$_7$) = 5.6 Hz, J(H$_6$–H$_{7'}$) = 6.7 Hz, J(H$_7$–H$_{7'}$) = 9.8 Hz.

In both cases the assignments to H$_7$ and H$_{7'}$ may be reversed.

Naomichi Furukawa,* Satoshi Ogawa, Kazunori Matsumura, and Hisashi Fujihara. Extremely Facile Ligand-Exchange and Disproportionation Reactions of Diaryl Sulfoxides, Selenoxides, and Triarylphosphine Oxides with Organolithium and Grignard Reagents.

Page 6343, Table I. The yields (%) for compounds **5**, **6**, **7**, **4**, and **8** in row 14 are 35, 19, 0, 36, and 0, respectively.

Vol. 57, 1992

Joseph J. Barchi, Jr.,* Steven Musser, and Victor E. Marquez. The Decomposition of 1-(β-D-Ribofuranosyl)-1,2-dihydropyrimidin-2-one (Zebularine) in Alkali: Mechanism and Products.

Page 538, Figure 2. The caption of Figure 2 should read ^{1}H NMR spectra of compound **9**.

Page 540, line 19, should read as was shown in Scheme I.

Some very pertinent references concerning the syntheses of compounds **6** and **8** and one in which the degradation of a related nucleoside was studied were unintentionally omitted. Compound **6** and degradation: Pithová, P.; Piskala, A.; Pitha, J.; Šorm, F. *Coll. Czech. Chem. Commun.* **1965**, *30*, 2801. Singh, P.; Hodgson, D. *Acta Crystallogr., Sect. B* **1976**, *32*, 2329. Benzing-Pardie, L.; Nikiforuk, J. H. *J. Carbohydr. Chem.* **1983**, *2*, 439. Compound **8**: Merész, M.; Horváth, G.; Sohár, P.; Kuszmann, J. *Tetrahedron* **1975**, *31*, 1873. The authors thank Professor Koll (Oldenburg, F.R.G.) for calling these papers to our attention.