ADDITIONS AND CORRECTIONS

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Raymond U. Lemieux: How Water Provides the Impetus for Molecular Recognition in Aqueous Solution

Pages 373–380. A Correction of Erroneous Thermodynamic Parameters and Their Interpretation. The thermodynamic parameters for the binding of the H-type 2-OMe trisaccharide by the lectin *Psophocarpus tetragonolobus II* (Winged bean) reported in Table 3 of my article on the role of water in molecular recognition have been found to be in error by way of titration microcalorimetry. The data reported² for a variety of congeners should also be disregarded.

The values $\Delta H^\circ = -5.4$ and $T\Delta S^\circ = +0.8$ reported in Table 3 are now expected to be -17 and -10 kcal/mol, respectively.³ Thus, this binding reaction is strongly exothermic, in accordance with the presence of a hydraphobic contribution to the binding, as discussed in the original Account. The discussion in this paper based on the erroneous thermodynamic parameters that begins with "However" on line 8 of the second paragraph, first column, page 379, and ends with "hydrophobic effect" on line 16 of the same paragraph should be disregarded as misleading.

- (1) Sigurskjold, B. W.; Altman, E.; Bundle, D. R. *Eur. J. Biochem.* **1991**, *197*, 239–246.
- (2) Lemieux, R. U.; Du, M.-H.; Spohr, U.; Acharya, S.; Surolia, A. *Can. J. Chem.* **1994**, *72*, 158–163.
- (3) Bundle, D. R.; Chervenak, M. C., private communication.

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