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Restaurant Premier

Kasumigasaki, Tokyo-Kaikan

Today I had the honor and great privilege of addressing the Japan Chemical Society on solvation effects on conformational equilibria for the highly polar carbohydrate substances. Effects of solvation on the anomeric effect were reported which affect the orientation of the aglycon of glycosides. In particular, experiments with imidazole glycosides were reported which establish the reverse anomeric effect which is considered of importance in relation to the conformation of nicotinamide adenine dinucleotide. Solvation effects on the strength of hydrogen bonds suggest the "conjugation" of hydrogen bonds under certain circumstances.

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