J-Coupling Constants for a Trialanine Peptide as a function of Dihedral Angles Calculated by

Density Functional Theory over the full Ramachandran Space.

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Supplementary Figures

Coupling involving ¹⁷O

Numbering Scheme in figure S1

Figures S2-4 display the results of the calculations as functions of the dihedral angles and in the format of Ramachandran plots. In each of these figures, the angle is plotted vertically and , horizontally, conforming to normal usage . The contours for the J's in Hz are labeled in the legends.

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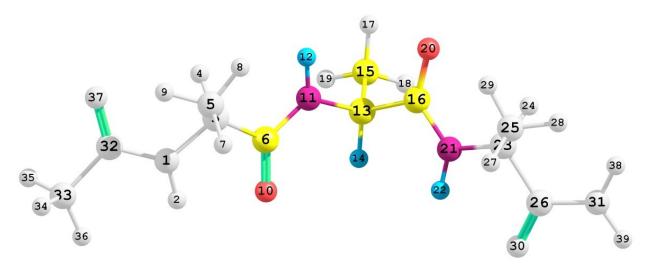


Figure S1. Numbering scheme used for acetyl(ALA) $_3$ NH $_2$. Colored atoms are those activated for the calculation of J's.

