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Erratum

Erratum to “NMR and parity violation: low-temperature dependence in ^1H CRAMPS and ^{13}C CP/MAS ssNMR spectra of alanine enantiomer” [Biophys. Chem 103 (2003) 289–298][☆]

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The publisher regrets that on p. 297 of the above article, an incorrect equation was printed. The correct paragraph is printed below:

Because of the inhomogeneous of the magnetic field, $\therefore \Delta\nu \approx 1/T_2'$, T_2' is the apparent transverse relaxation time. $\therefore \Delta_{1/2} = 1/\pi T_2'$

$$\begin{aligned}\Delta E_{\text{D}} &= h\Delta\nu_{\text{D}} \approx h \times 1/T_2' \\ &\approx h \times \pi \times \Delta_{1/2} \\ &\approx 6.626 \times 10^{-34} \text{ Js} \times 3.1416 \times 402.19 \text{ Hz (the highest } \Delta_{1/2} \text{ value of } \alpha\text{-H of D-alanine)} \\ &\approx 5.226 \times 10^{-12} \text{ eV} \\ \therefore \Delta\nu_{\text{D}} &\approx 1.263 \text{ kHz}\end{aligned}$$

$$\begin{aligned}\Delta E_{\text{L}} &= h\Delta\nu_{\text{L}} \\ &\approx 6.626 \times 10^{-34} \text{ Js} \times 3.1416 \times 253.97 \text{ Hz (the highest } \Delta_{1/2} \text{ value of } \alpha\text{-H of L-alanine)} \\ &\approx 3.299 \times 10^{-12} \text{ eV} \\ \therefore \Delta\nu_{\text{L}} &\approx 0.798 \text{ kHz}\end{aligned}$$

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