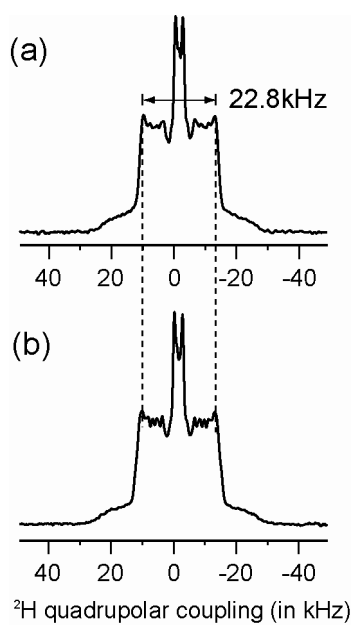


## Supporting Information

### Asymmetric Insertion of Membrane Proteins in Lipid Bilayers by Solid-State NMR Paramagnetic Relaxation Enhancement: a Cell-Penetrating Peptide Example

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**Figure S1.** Static  $^2\text{H}$  powder spectra of  $d_{54}$ -DMPC/DMPG membrane without (a) and with (b) penetratin at 310 K.