Electronic Supplementary Material for PCCP

Sensitive Absorptive Refocused Scalar Correlation NMR Spectroscopy in Solids

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Supplementary Information

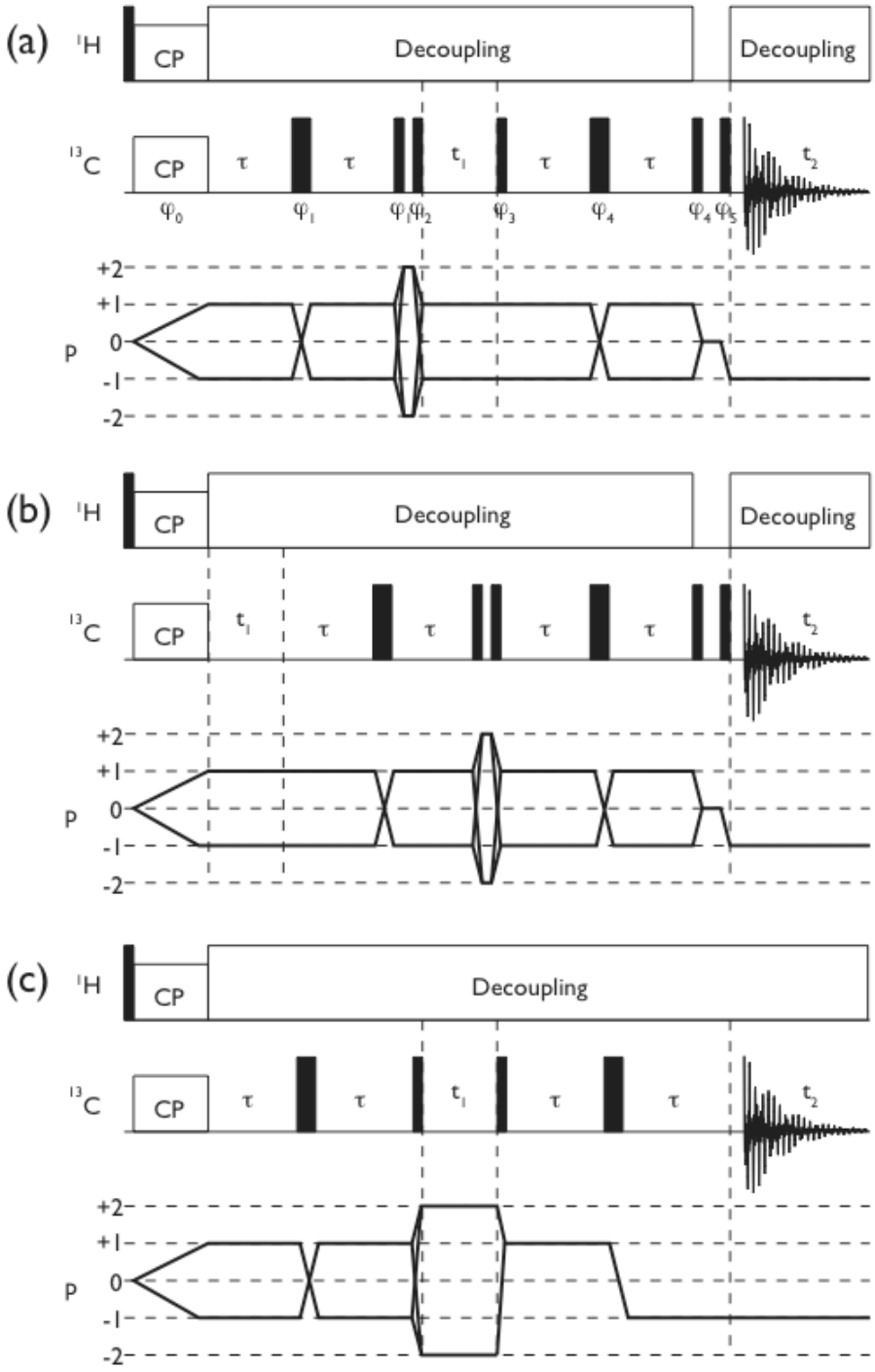

Fig. S1. Pulse sequences used to record (a) SAR-COSY (b) UC2QF-COSY and (c) refocused INADEQUATE scalar correlation spectra with the corresponding coherence transfer pathways for carbon-13. Narrow and wide filled vertical bars represent π/2 and π pulses, respectively.

Phase	Cycle																															
φ_0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
φ_1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
φ_2	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3
φ_3	1	1	1	1	3	3	3	3	0	0	0	0	2	2	2	2	1	1	1	1	3	3	3	3	0	0	0	0	2	2	2	2
φ_4	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
φ_5	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3
φ_{rec}	0	1	2	3	0	1	2	3	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	0	1	2	3	0	1	2	3

Table S2. Reduced phase cycle for recording SAR-COSY scalar correlation spectra. The labels for the pulse phases refer to Figure S1. A phase of 1 corresponds to 90° and so on.