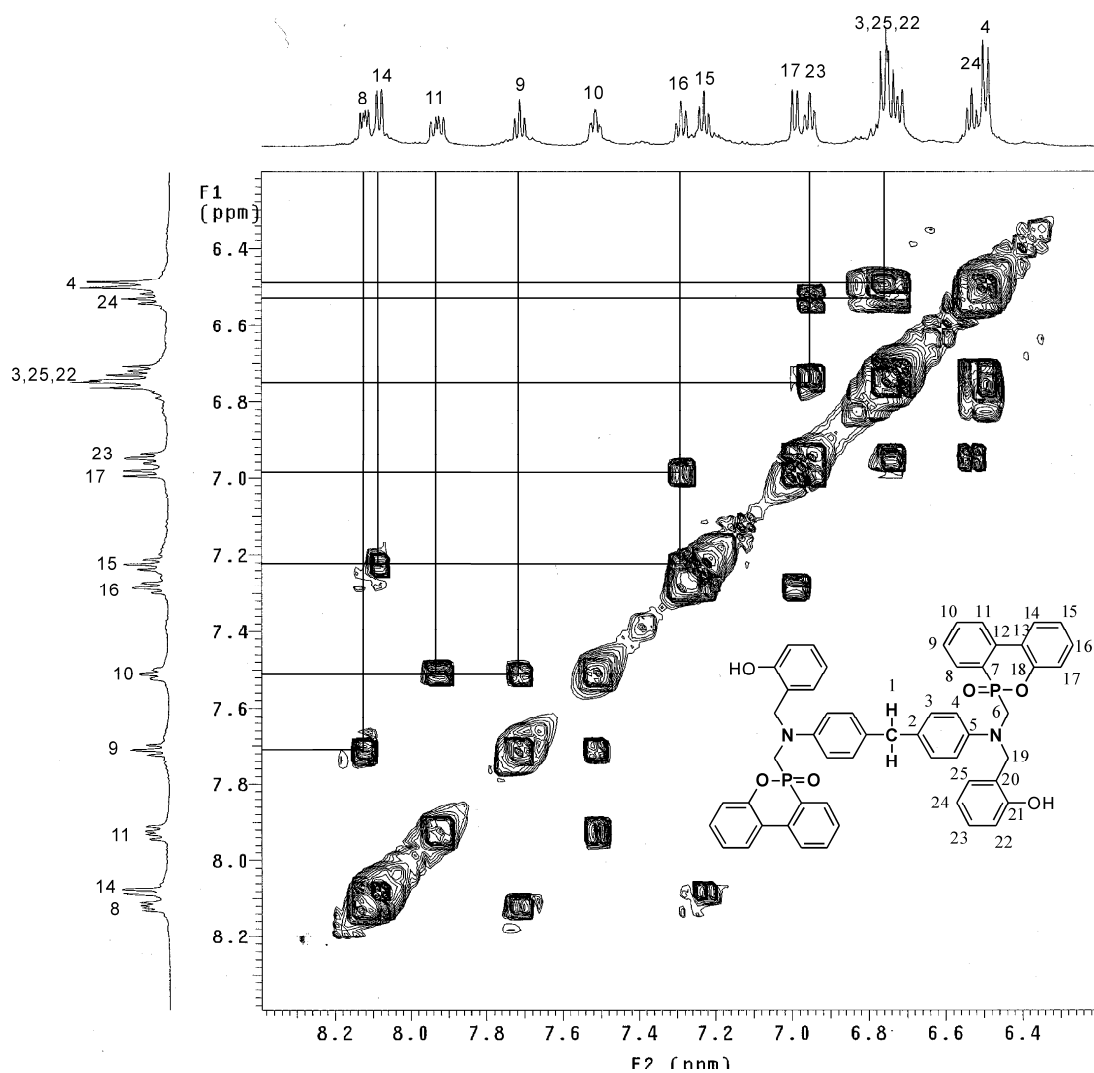


Supplementary information

Benzoxazine-based phosphinated bisphenols and their application in preparing flame-retardant, low dielectric cyanate esters thermosets

Hou Chien Chang, Hung Tse Lin, Ching Hsuan Lin*

Department of Chemical Engineering, National Chung Hsing University, Taichung, Taiwan



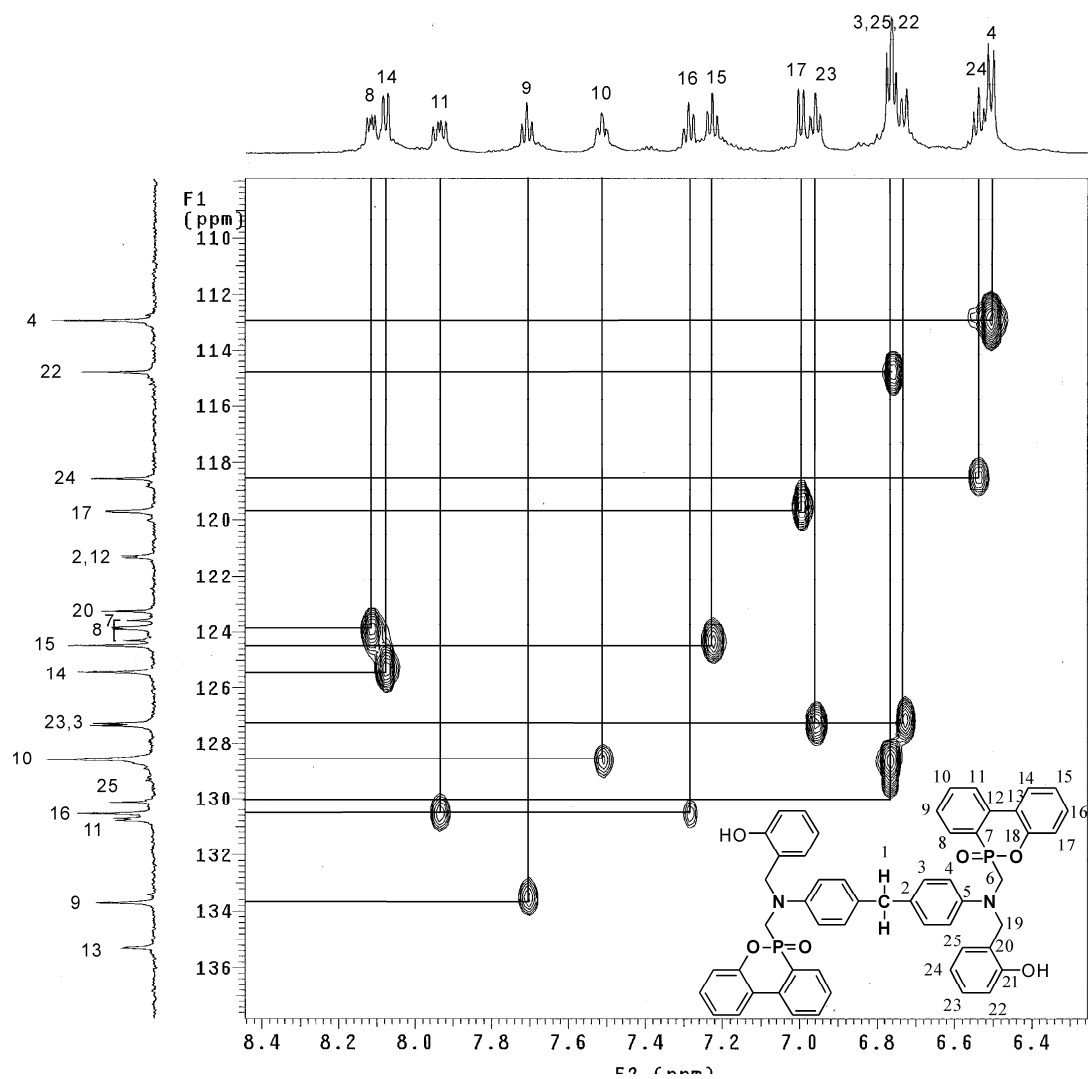


Figure S2. ^1H - ^{13}C HETCOR NMR spectrum of (1).

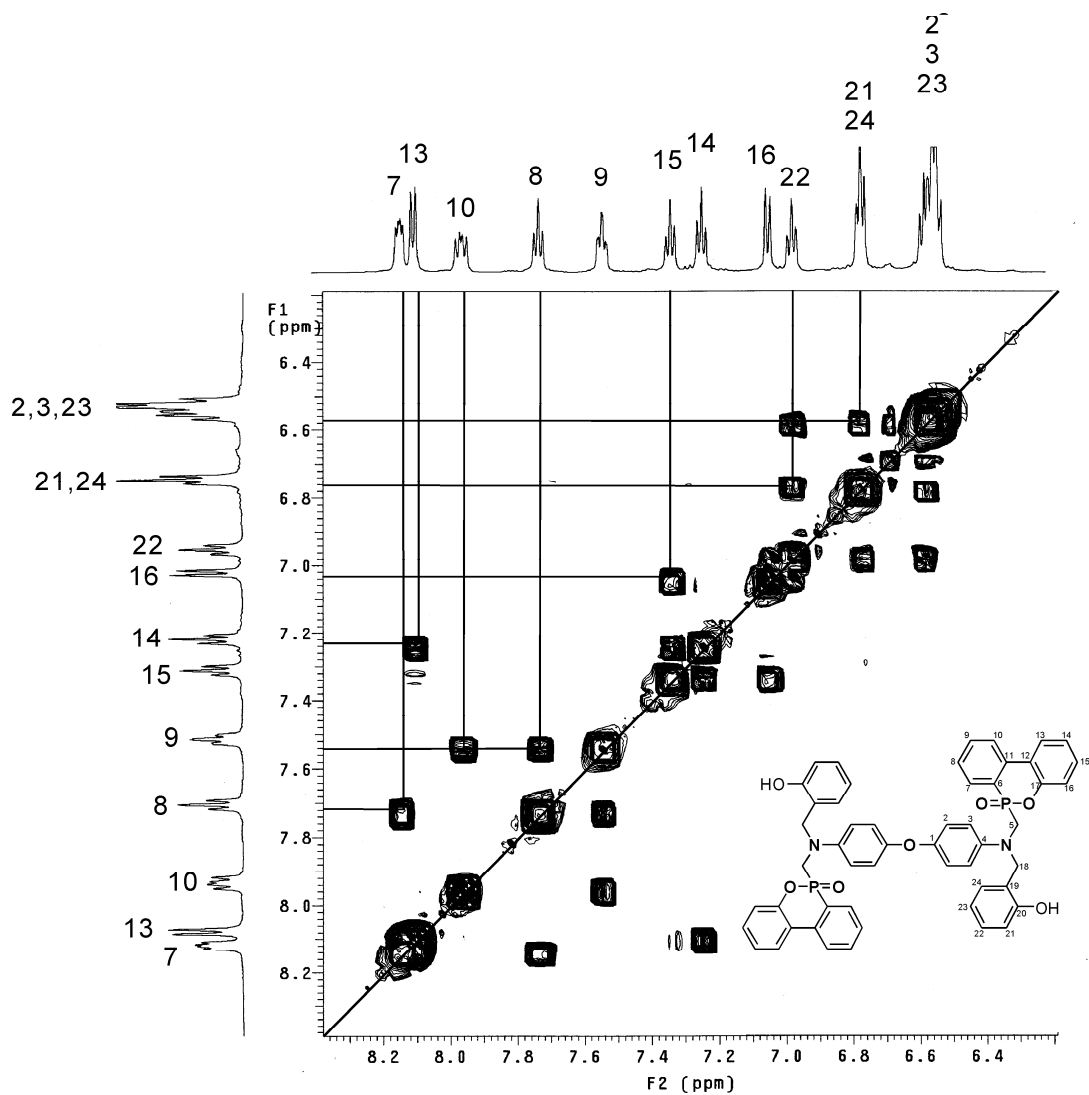


Figure S3. ^1H - ^1H COSY NMR spectrum of (2).

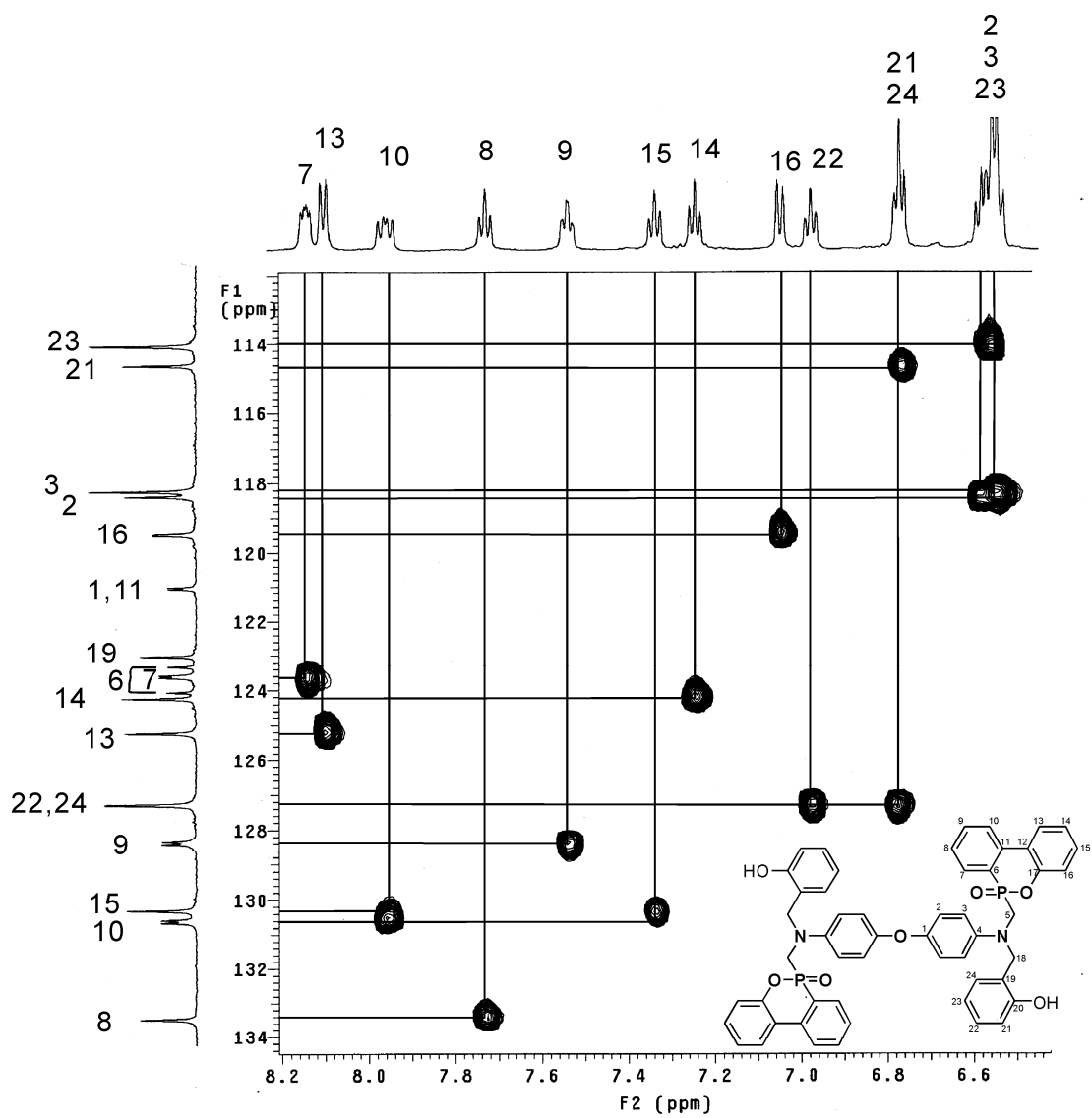


Figure S4. ^1H - ^{13}C HETCOR NMR spectrum of (2).

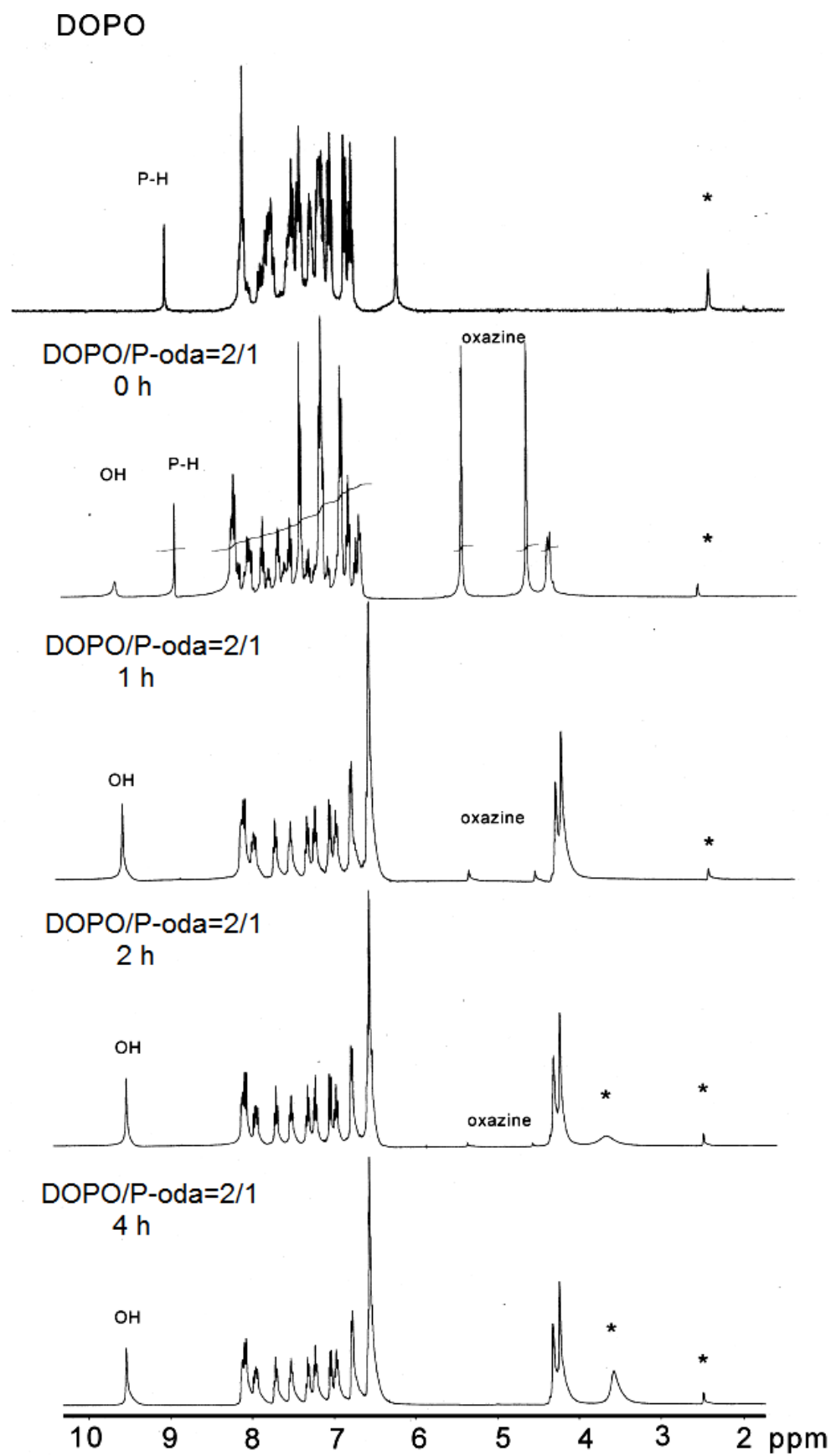


Figure S5. ¹H-NMR trace of DOPO/P-oda mixture (2/1 molar ratio) in DMSO-*d*₆ at room temperature.

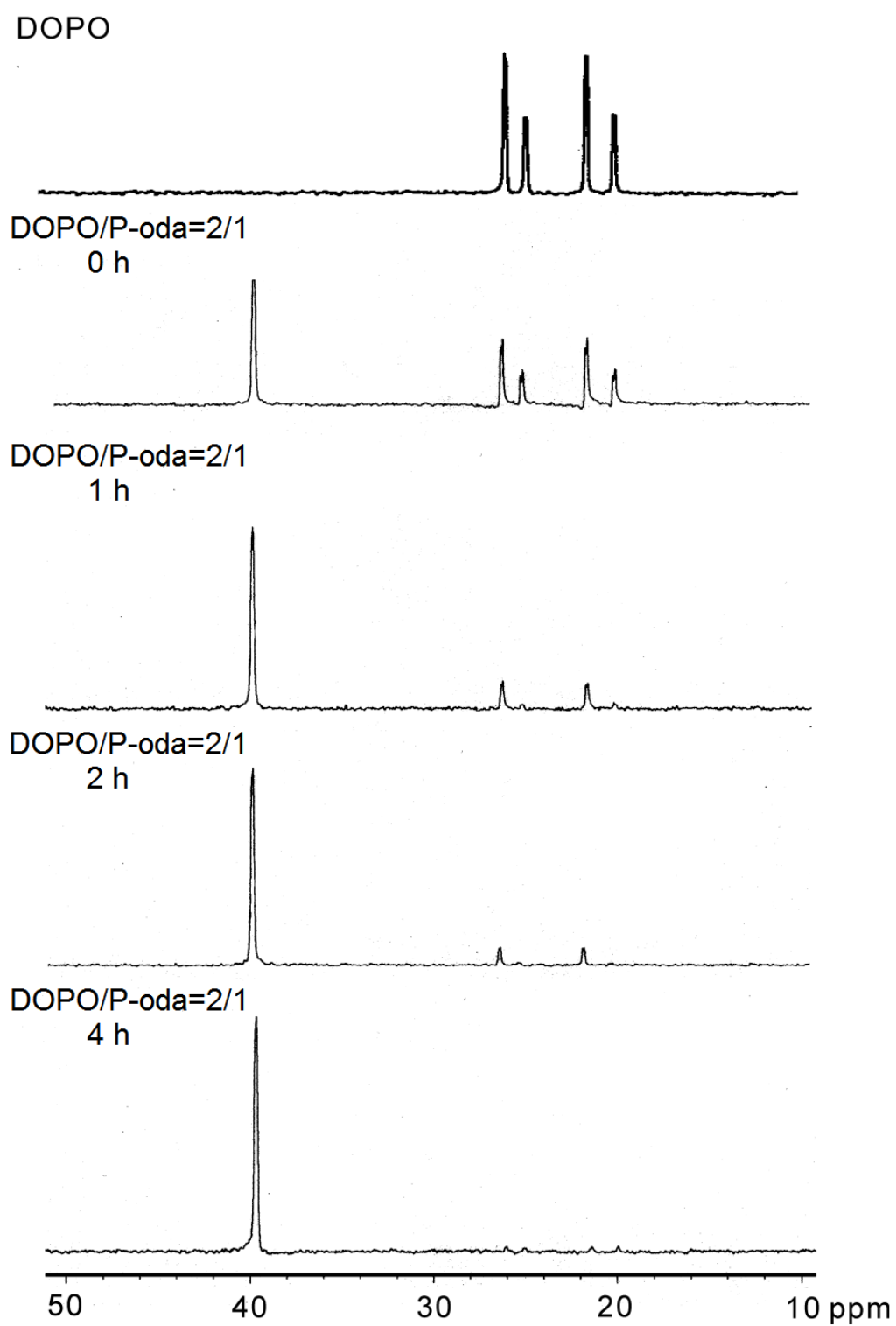


Figure S6. ^{31}P -NMR trace DOPO/P-oda mixture in $\text{DMSO-}d_6$ at room temperature.