



*$\text{DMSO-d}_6$*

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**Field strength:** 9.4 T

### Why is this your favorite spectrum?

The stack plot shows the real-time decay of  $^{13}\text{C}$  NMR spectrum of hyperpolarised  $\text{DMSO-d}_6$  due to  $T_1$  relaxation. The ca. 10,000 enhancement factor generated by dynamic nuclear polarisation (DNP) enabled the recording of 2 spectra, which revealed subtle evolutions in the line intensities arising from long-lived states in  $\text{CD}_3$  groups.