

## Supplementary Information

### **Over 35% liquid-state $^{13}\text{C}$ polarization via dissolution dynamic nuclear polarization at 7 T and 1 K with ubiquitous nitroxyl radicals**

**Tian Cheng,<sup>\*a</sup> Andrea Capozzi,<sup>a</sup> Yuhei Takado,<sup>a</sup> Riccardo Balzan<sup>a</sup> and Arnaud Comment<sup>a</sup>**

<sup>a</sup> Institute of Physics of Biological System, École Polytechnique Fédérale de Lausanne, 1015 Lausanne, Switzerland

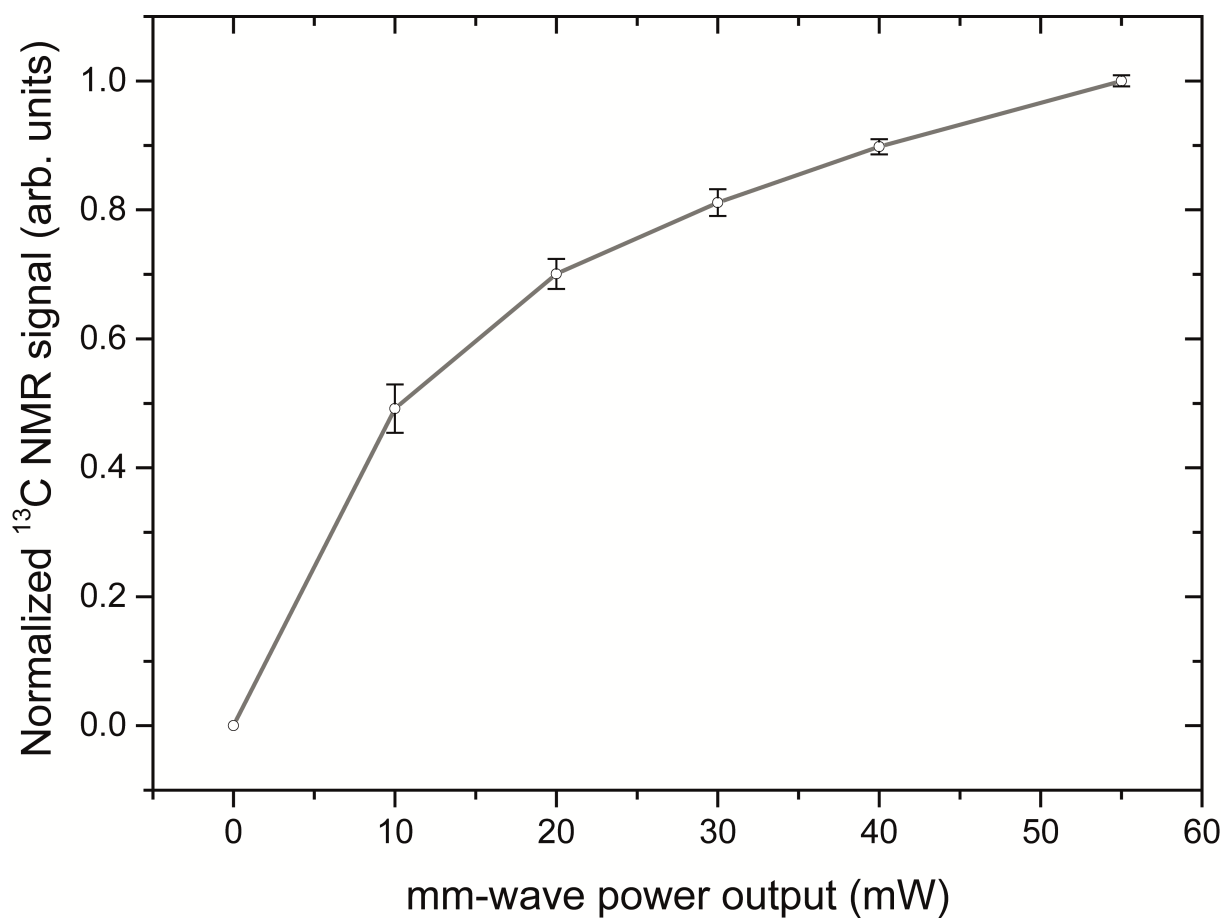
#### **Corresponding Author:**

Dr. Tian Cheng

E-mail: [tian.cheng@epfl.ch](mailto:tian.cheng@epfl.ch)

Tel: +41 21 693 80 59

Fax: +41 21 693 79 60



**Fig. S1.** Maximum <sup>13</sup>C NMR signal as a function of the mm-wave source output power. The measurements were performed at 1 K in a sodium [1-<sup>13</sup>C]acetate sample (sample type GlyHD66; see Table 1) irradiated at 196.85 GHz using the original mm-wave insert described in an early publication (ref. 19). The line connecting the data points is drawn to help guide the eye.