

# Supporting Information

**Trifluoromethylated Cyclic-ADP- Ribose Mimic: Synthesis of 8-trifluoromethyl- $N^1$ -[(5''-O-Phosphorylethoxy)methyl]-5'-O-phosphorylinosine-5',5''-Cyclic pyrophosphate (8-CF<sub>3</sub>-cIDPRE) and its calcium release activity in T Cells**

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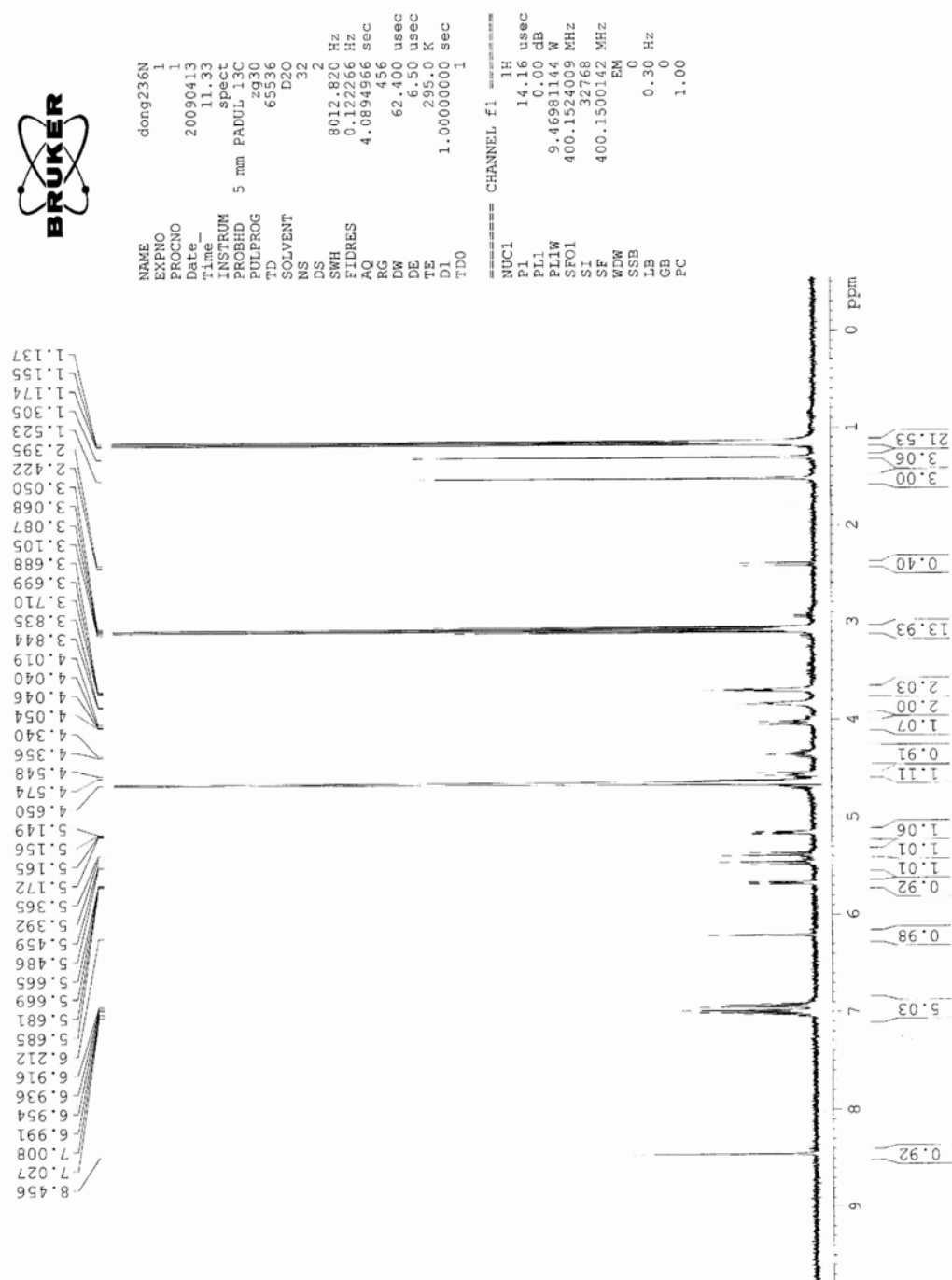


Figure S1.1.  $^1\text{H}$  NMR Spectrum of 13

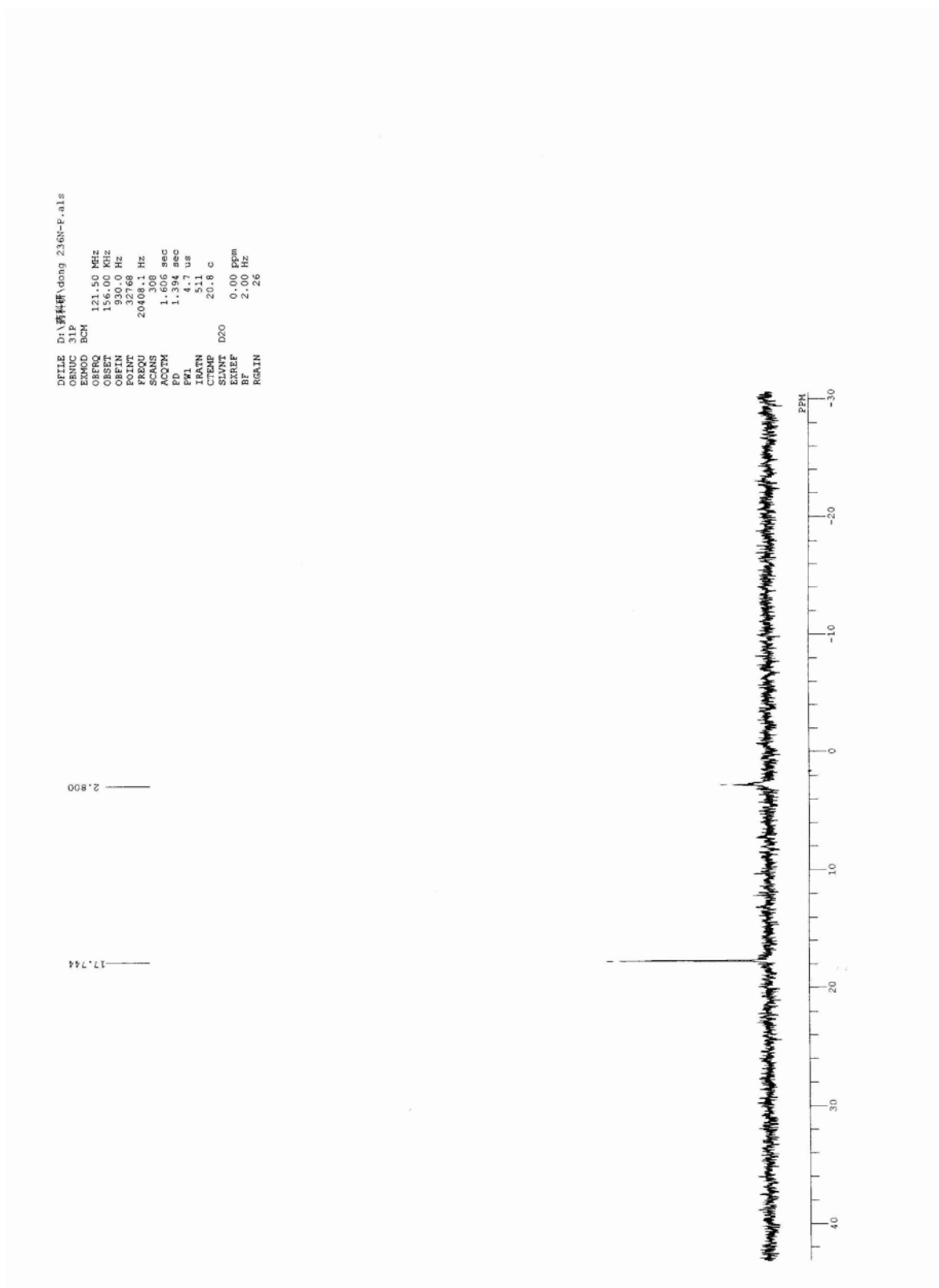


Figure S1.2.  $^{31}\text{P}$  NMR Spectrum of 13

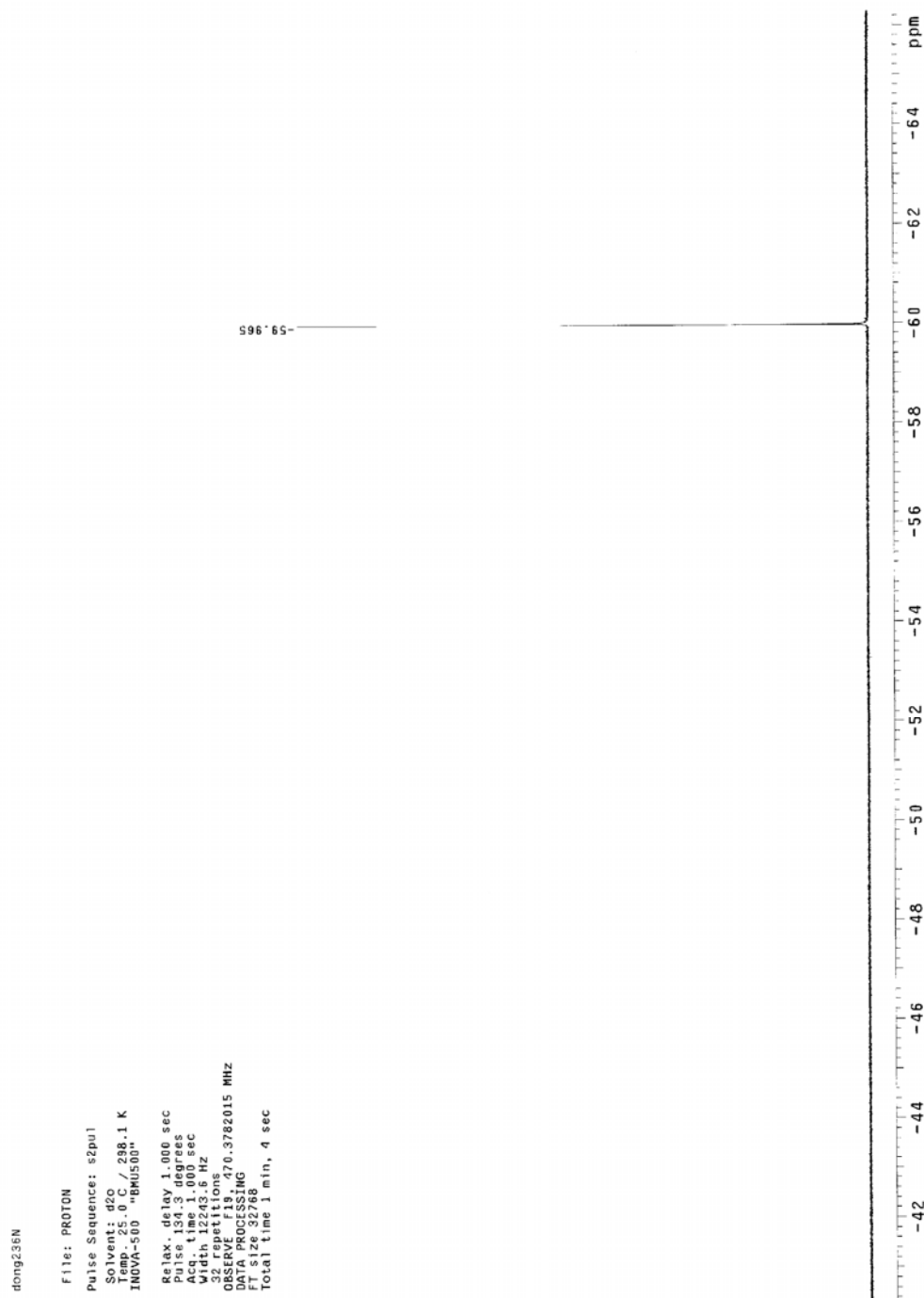


Figure S1.3.  $^{19}\text{F}$  NMR Spectrum of **13**



Figure S2.1.  $^1\text{H}$  NMR Spectrum of 14

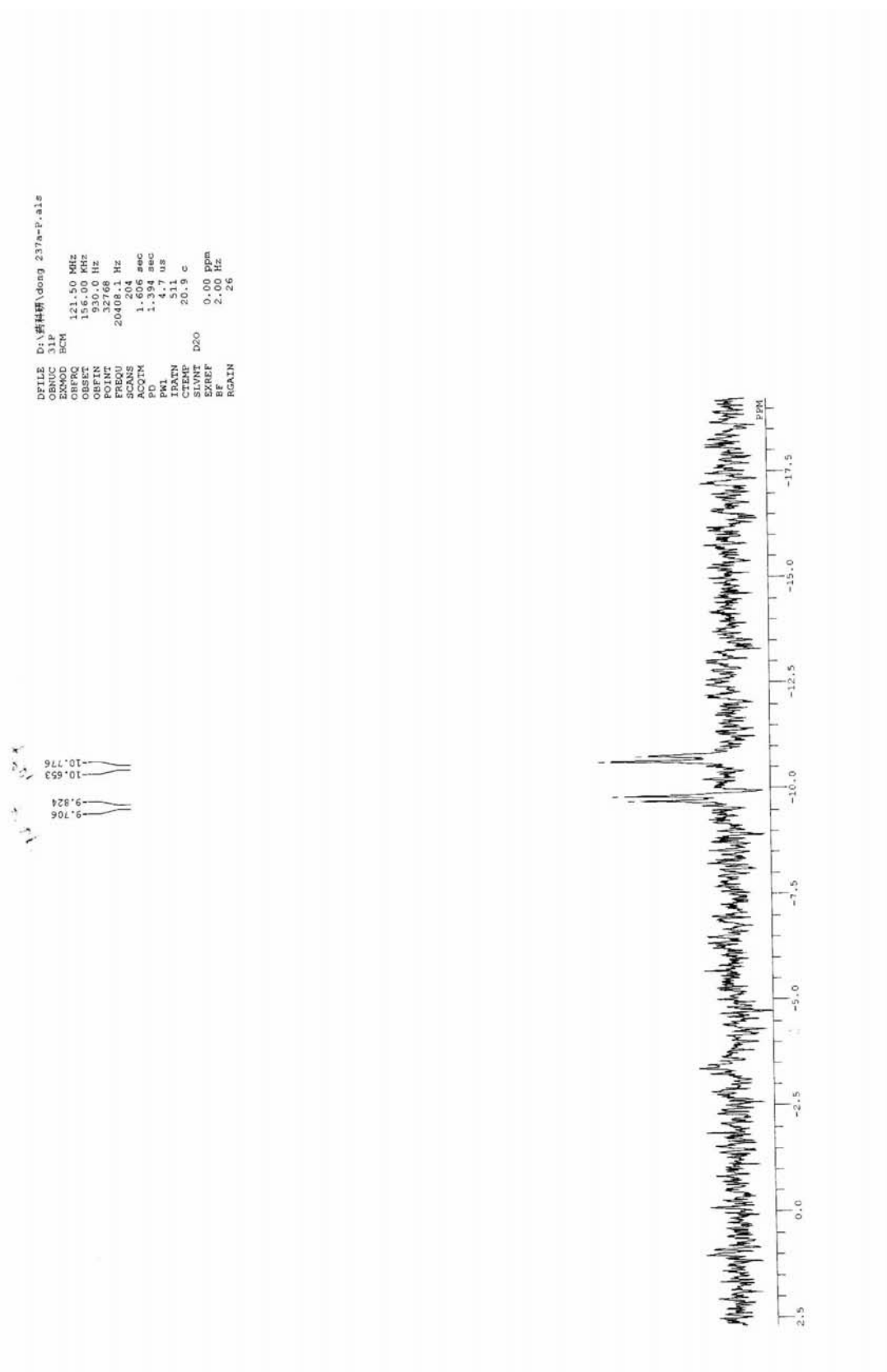


Figure S2.2.  $^{31}\text{P}$  NMR Spectrum of 13

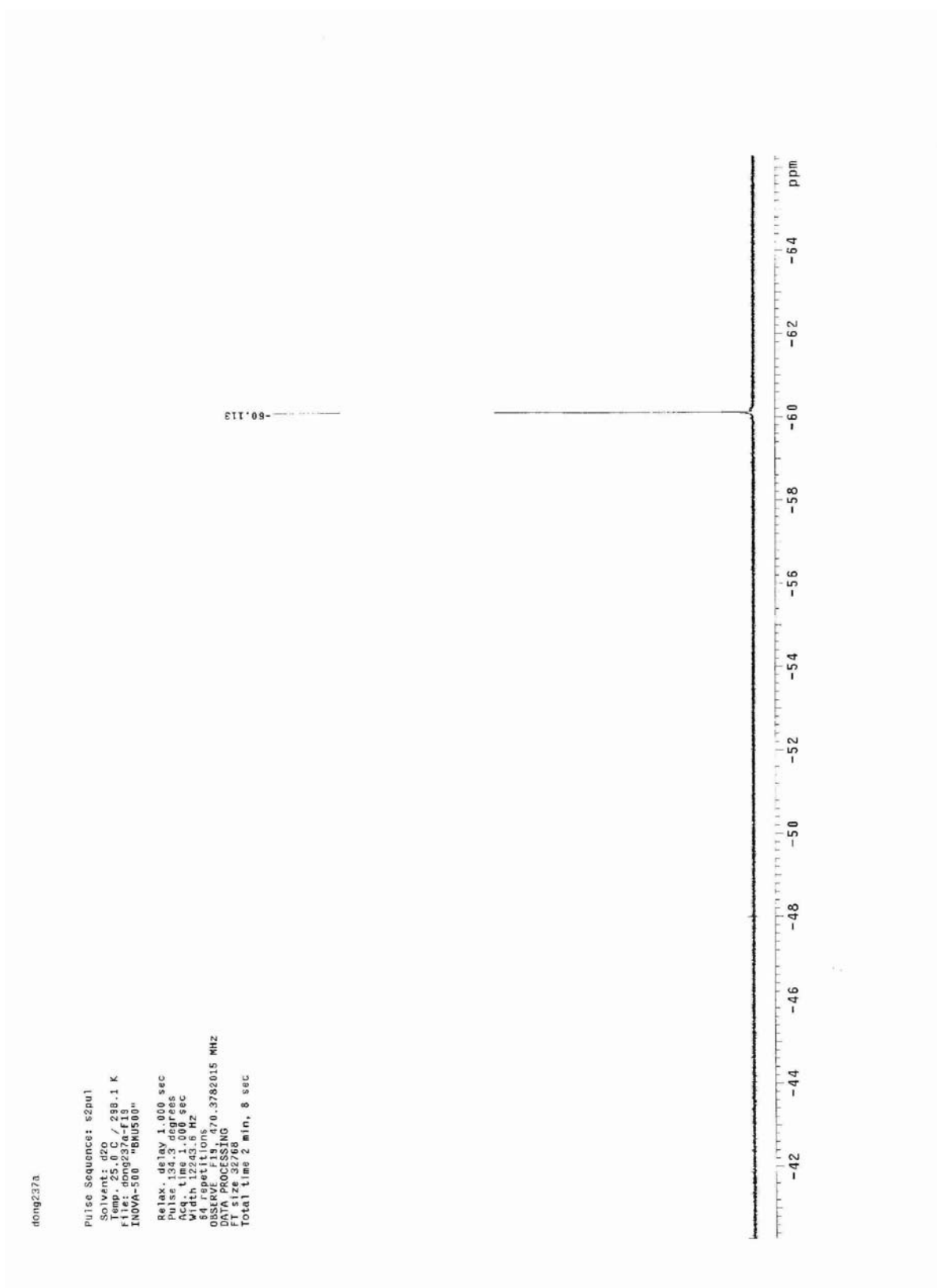


Figure S2.3.  $^{19}\text{F}$  NMR Spectrum of **14**

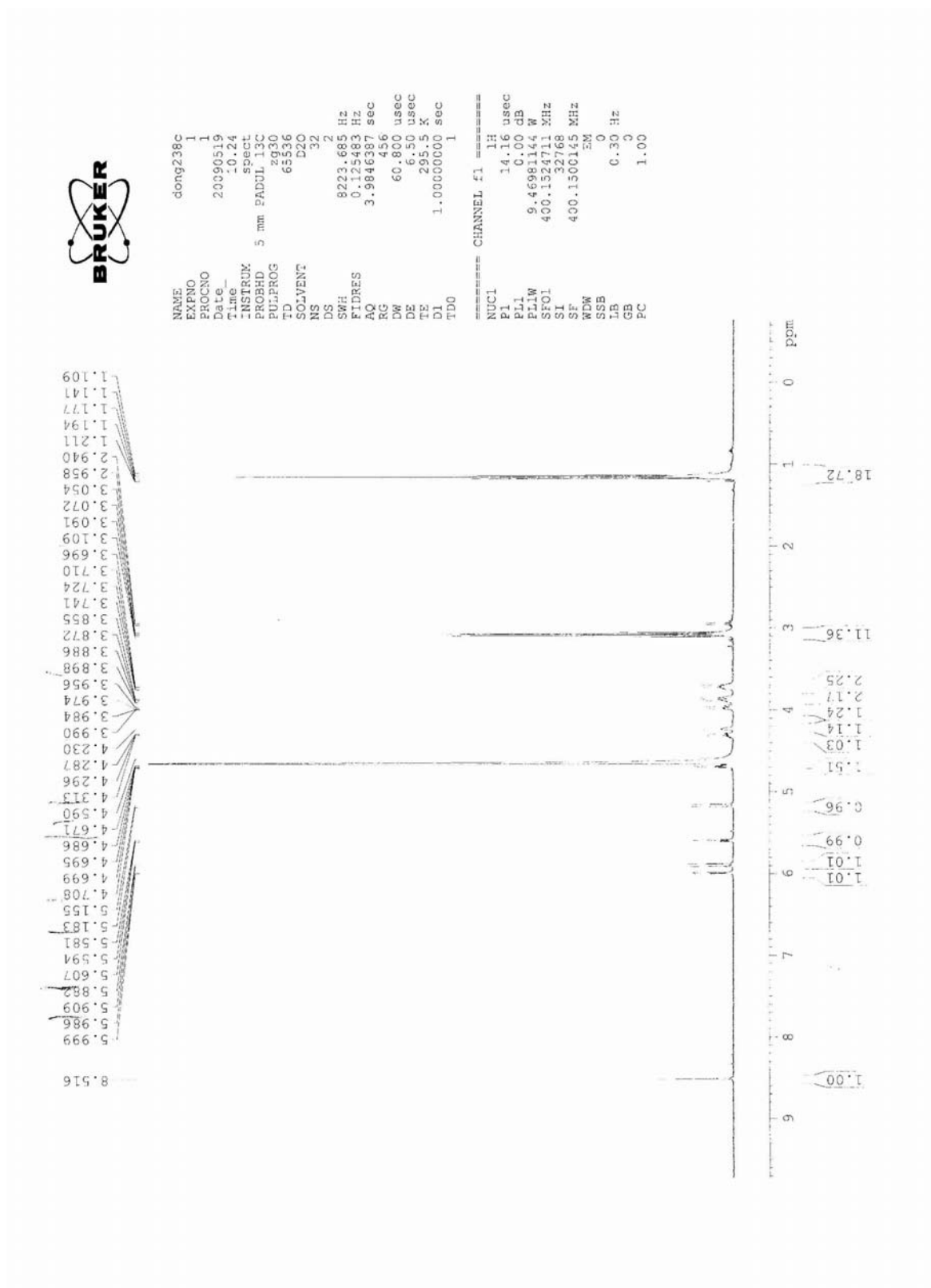


Figure S3.1.  $^1\text{H}$  NMR Spectrum of 1



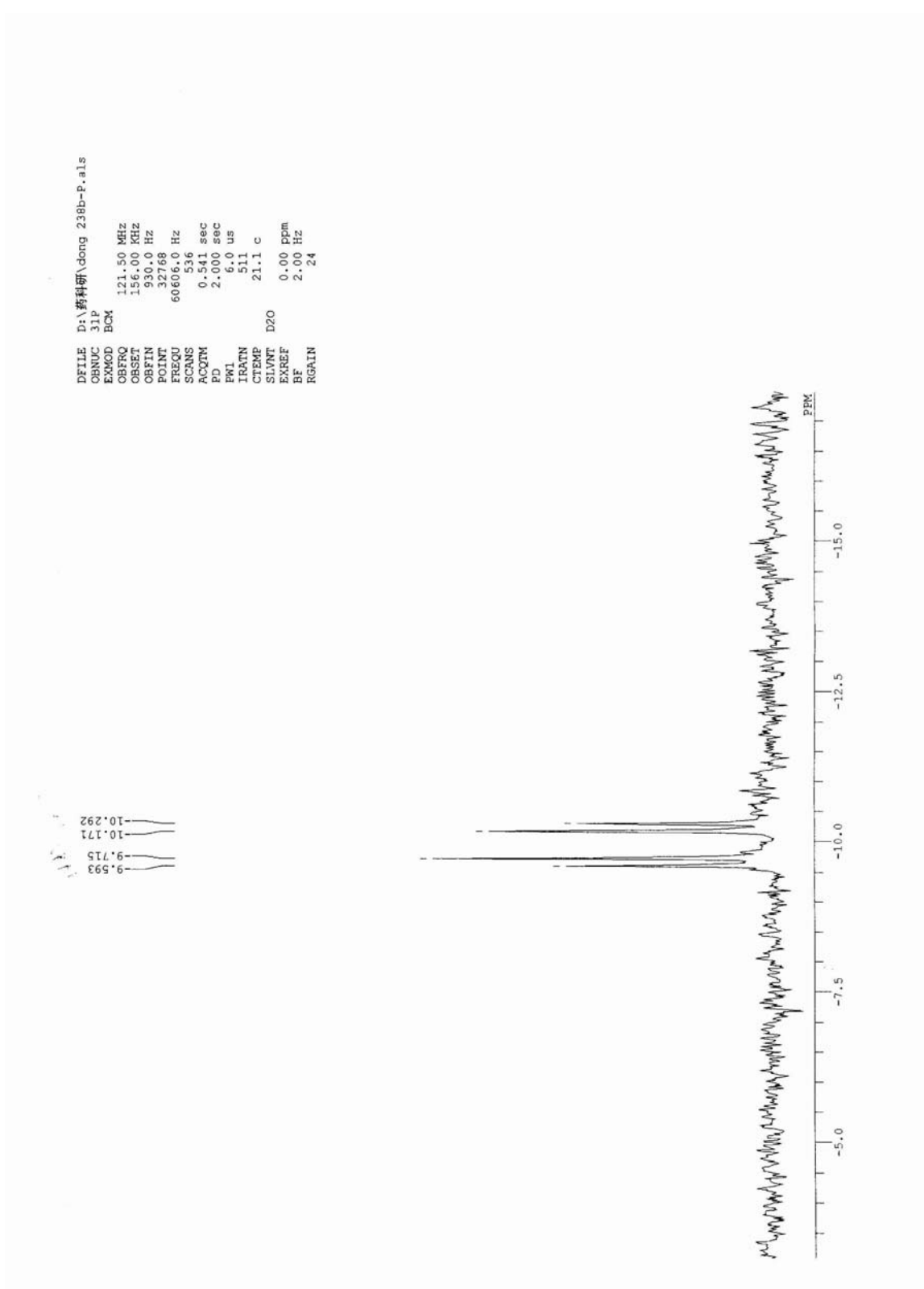


Figure S3.2.  $^{31}\text{P}$  NMR Spectrum of **1**

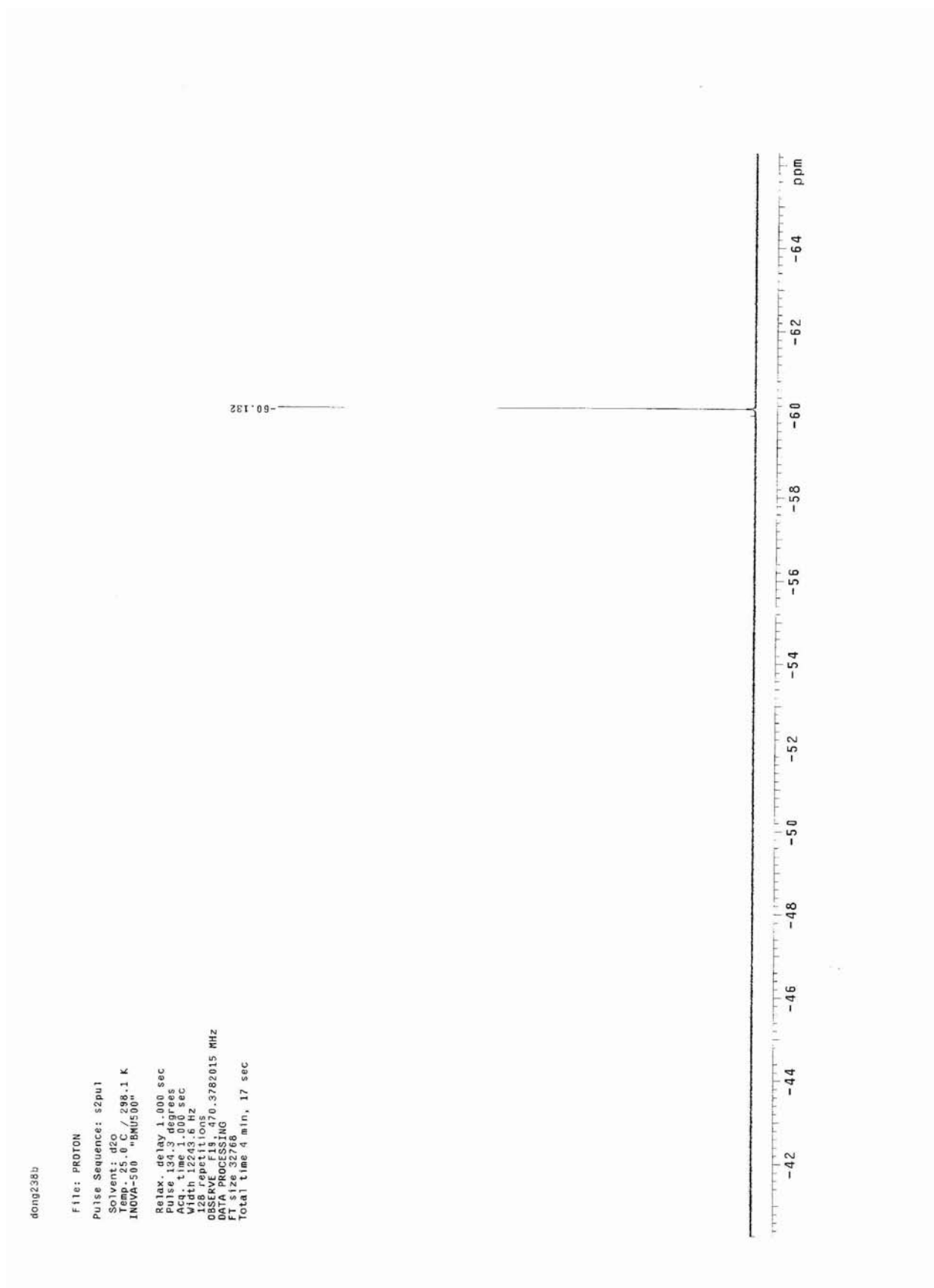
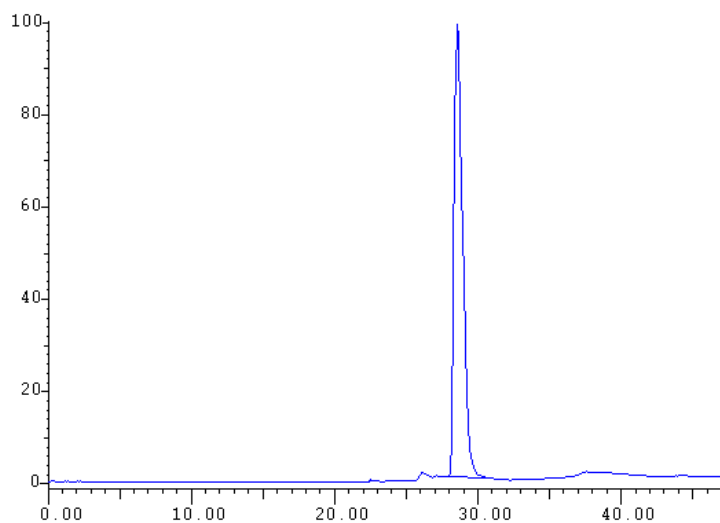


Figure S3.3.  $^{19}\text{F}$  NMR Spectrum of **1**

## HPLC For 14



## HPLC For 1

