

Supplementary Information

Asymmetric GAP Synthesis of α -Amino 1,3-Dithianes *via* Chiral *N*-Phosphonyl Imine-based Umpolung Reaction

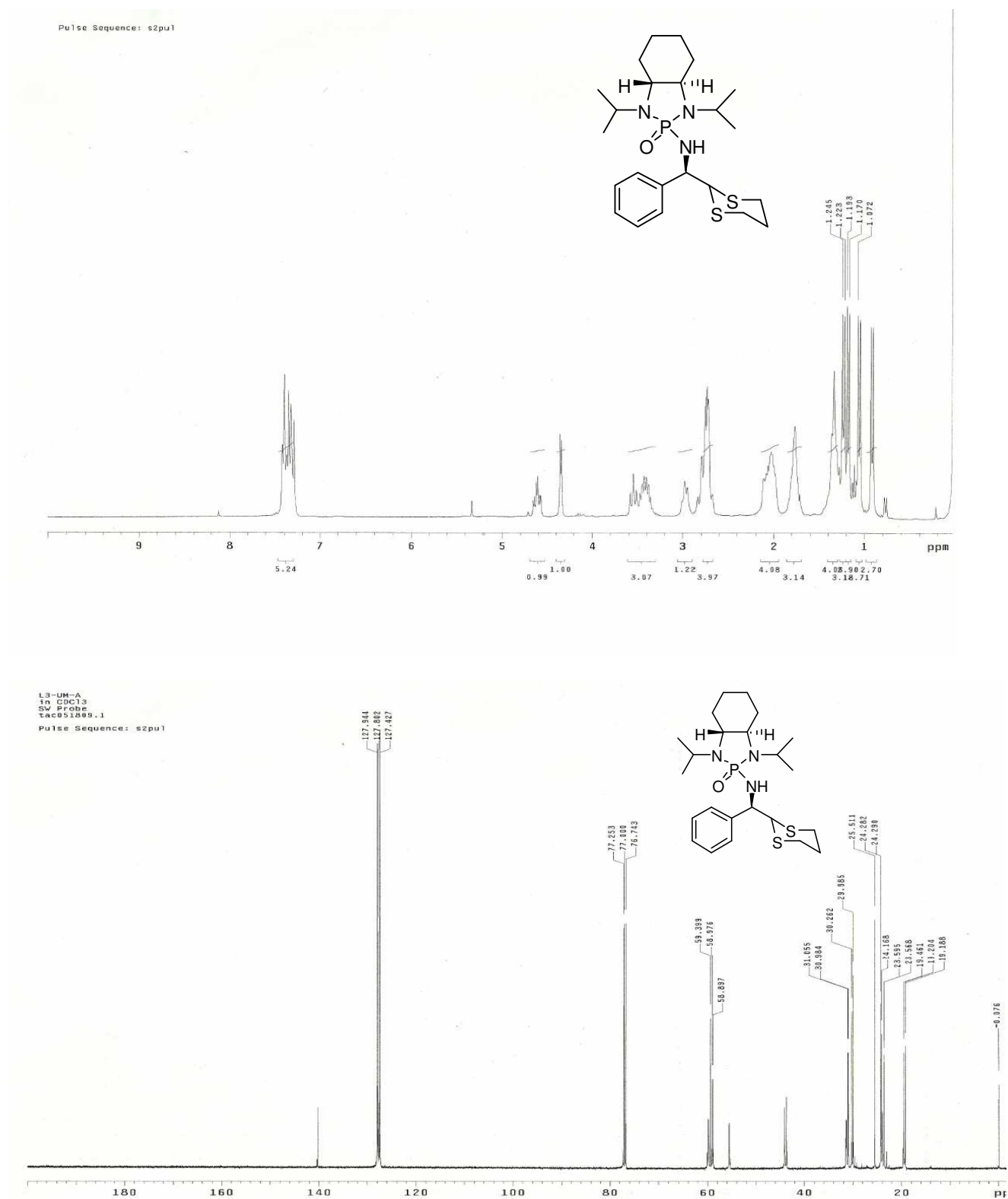
Padmanabha V. Kattamuri, Teng Ai, Suresh Pindi, Yinwei Sun, Peng Gu, Min Shi* and Guigen Li*

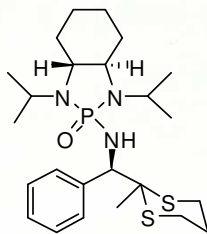
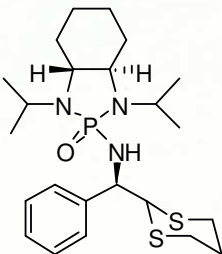
Texas Tech University, Department of Chemistry & Biochemistry, Lubbock, TX 79409-1061, USA

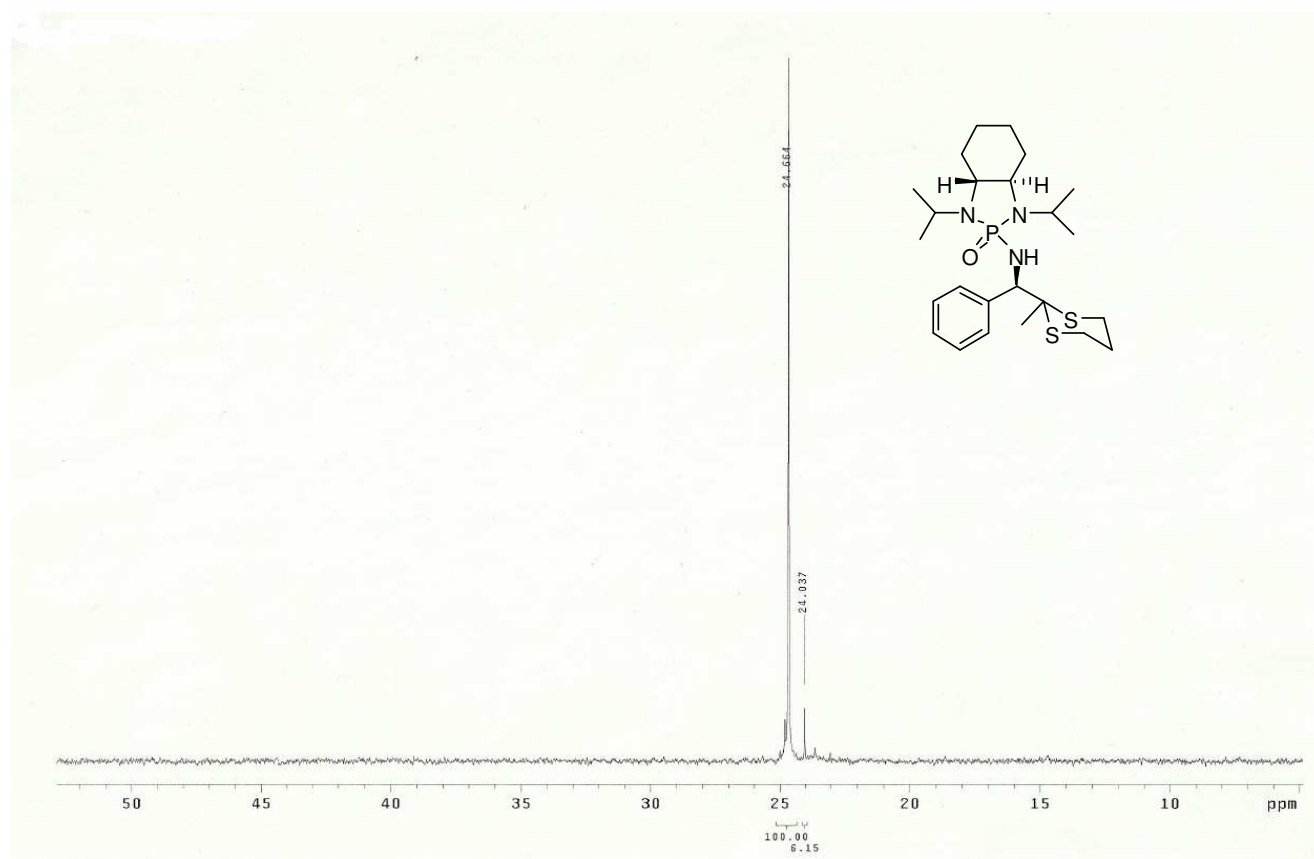
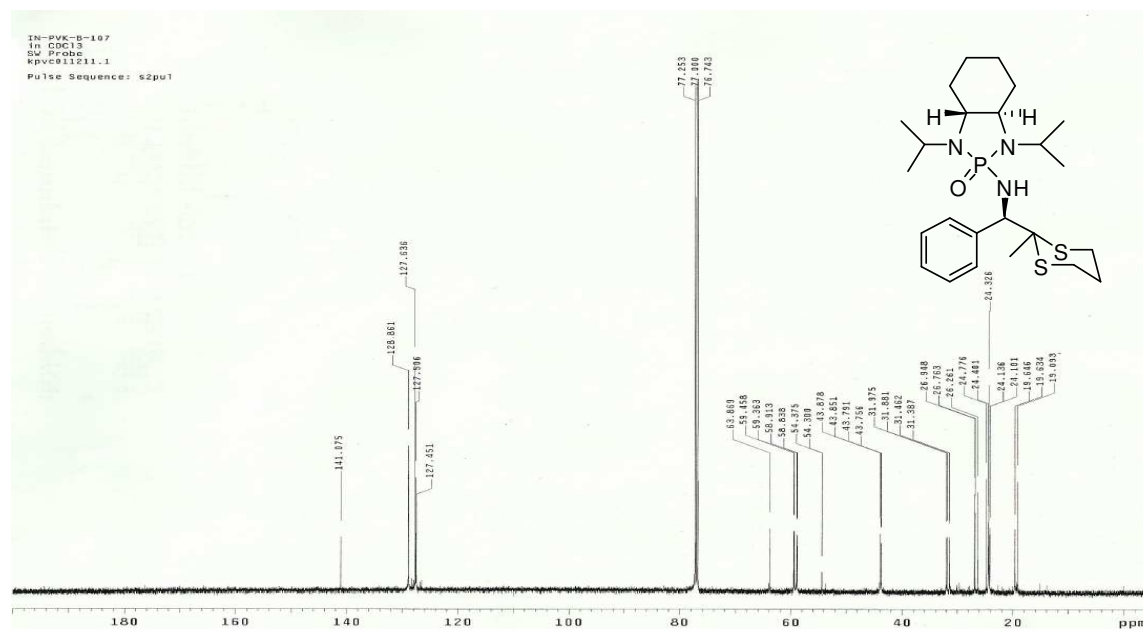
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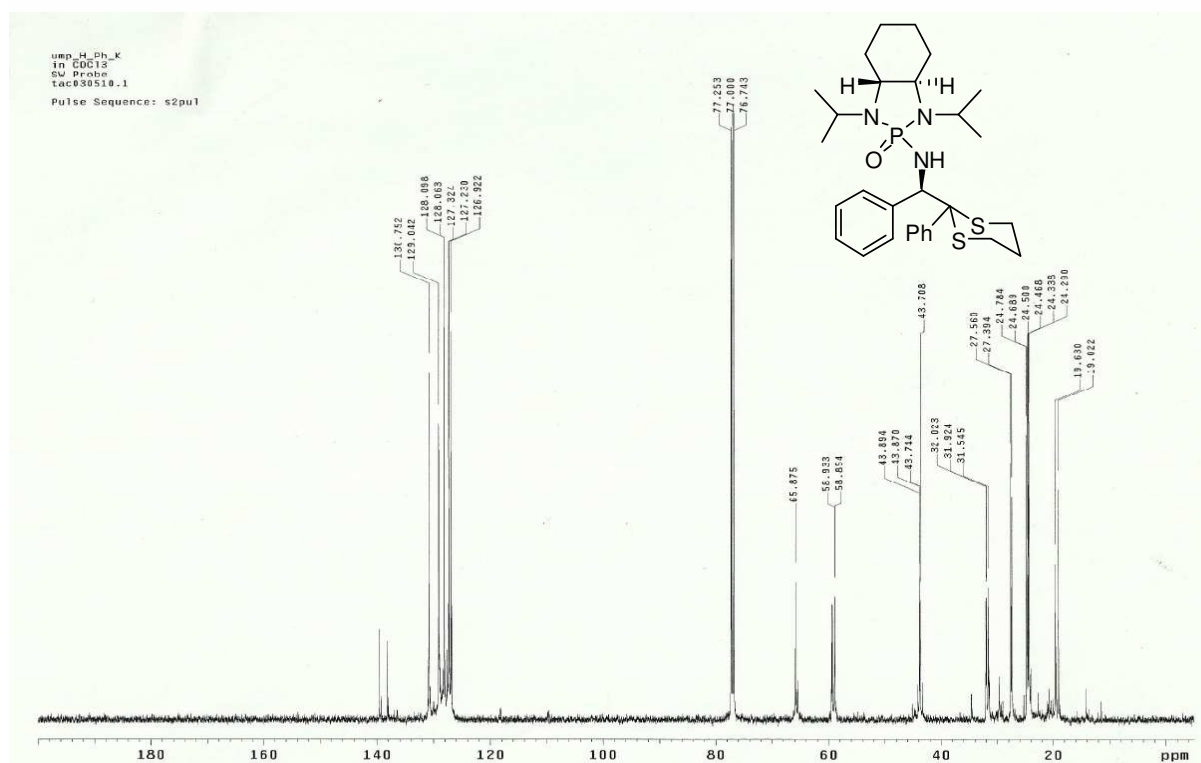
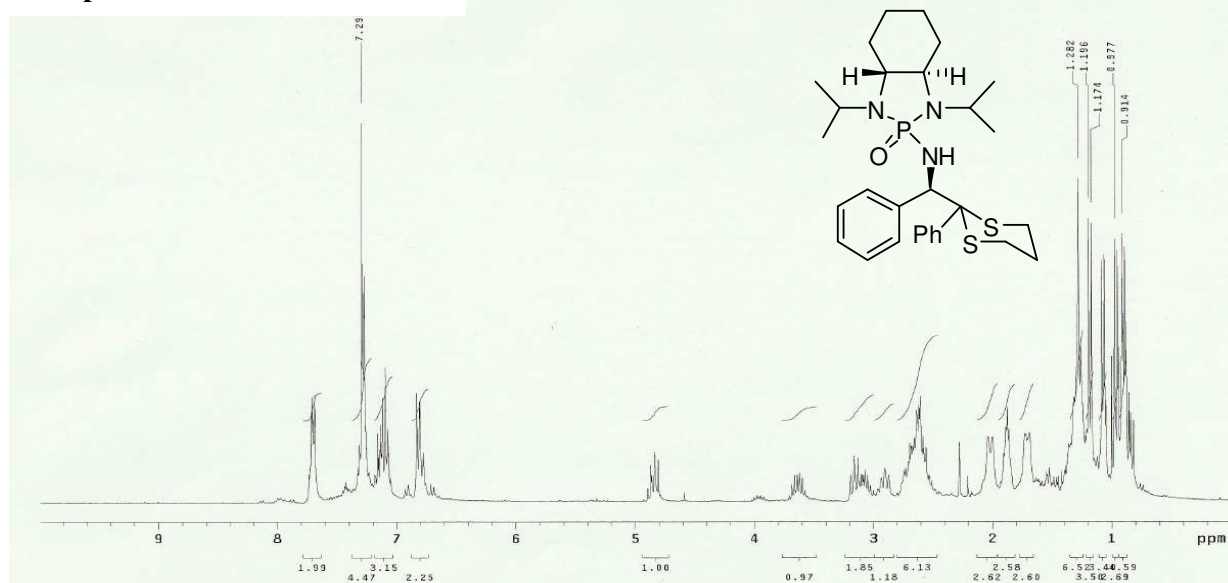
Compound 6a

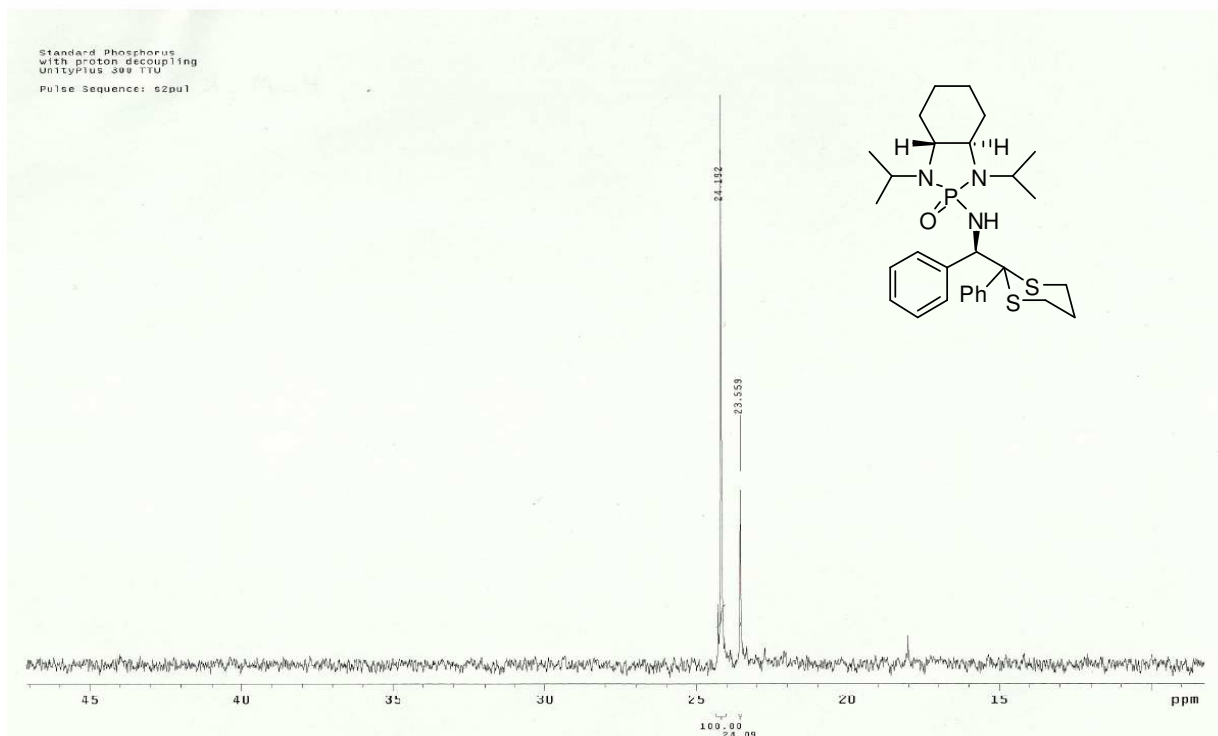




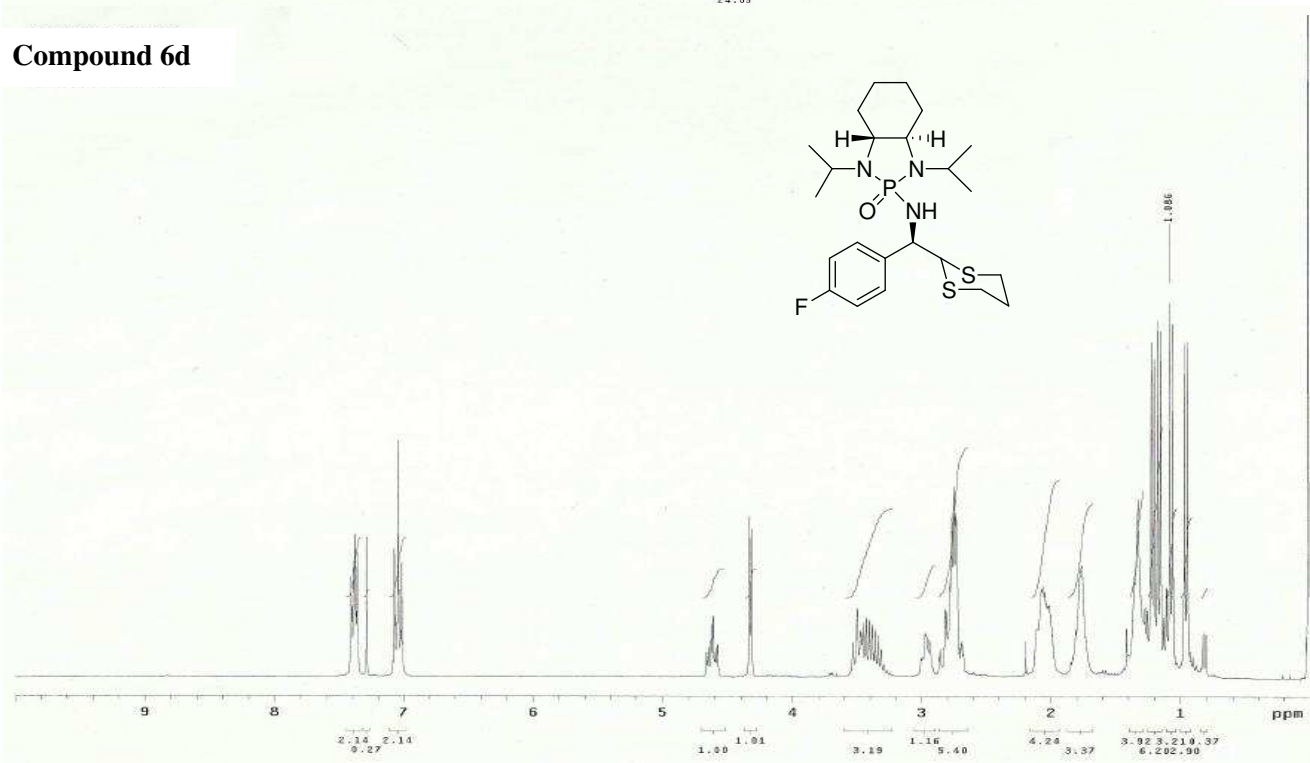


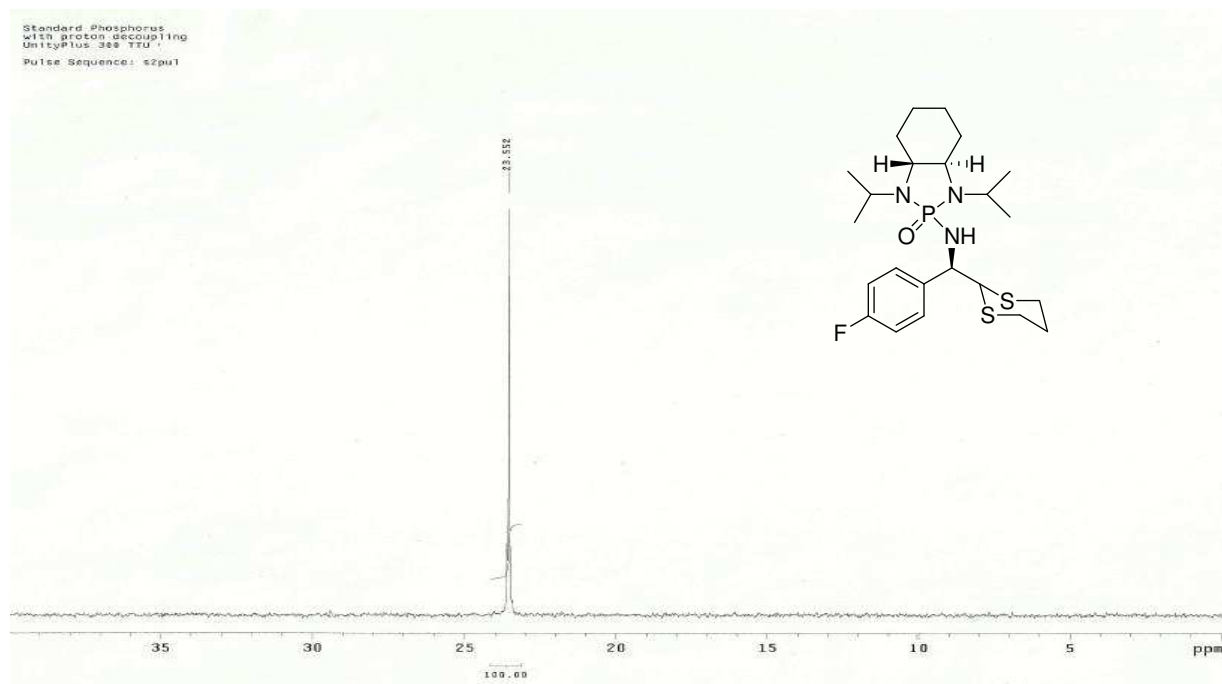
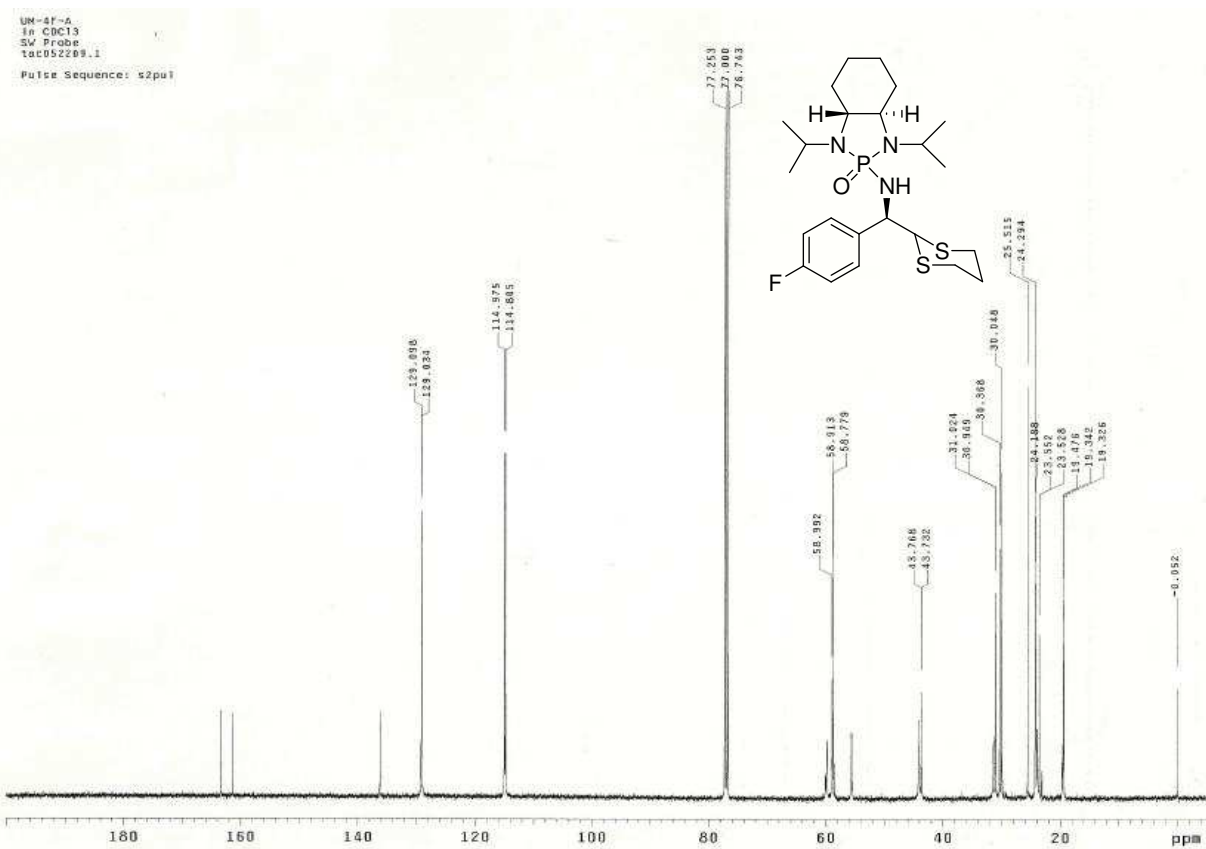
Compound 6c

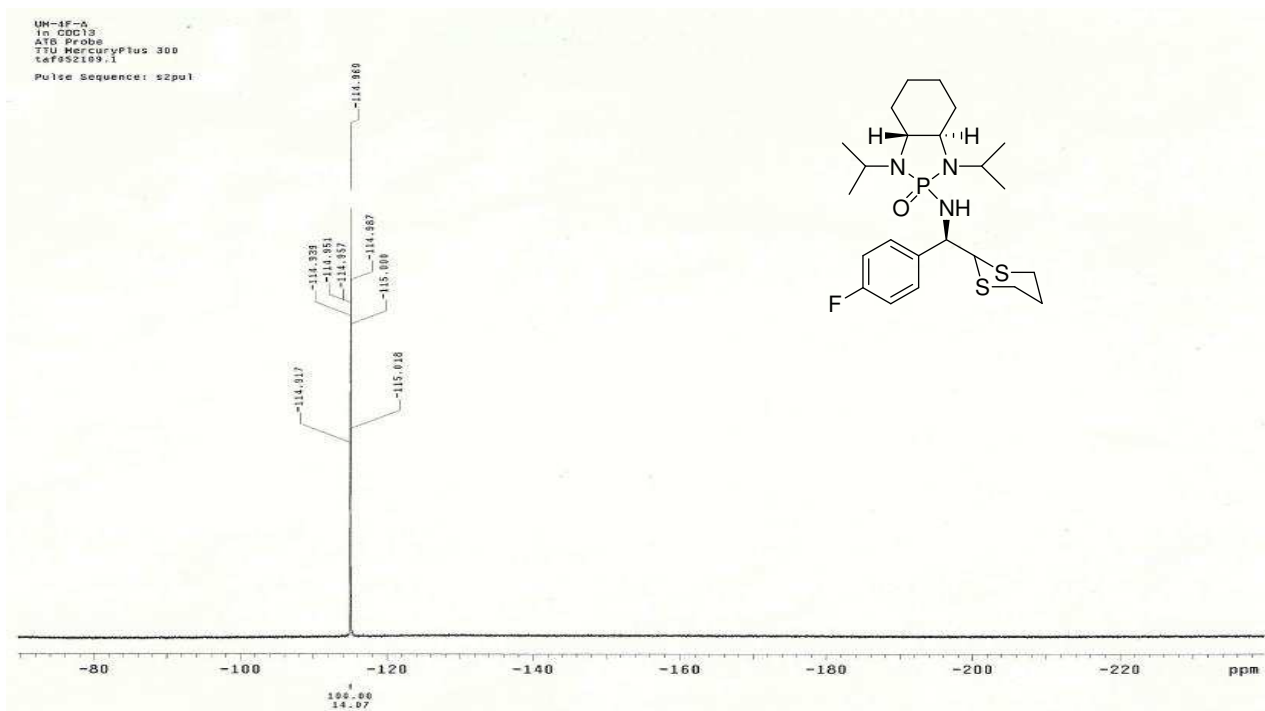




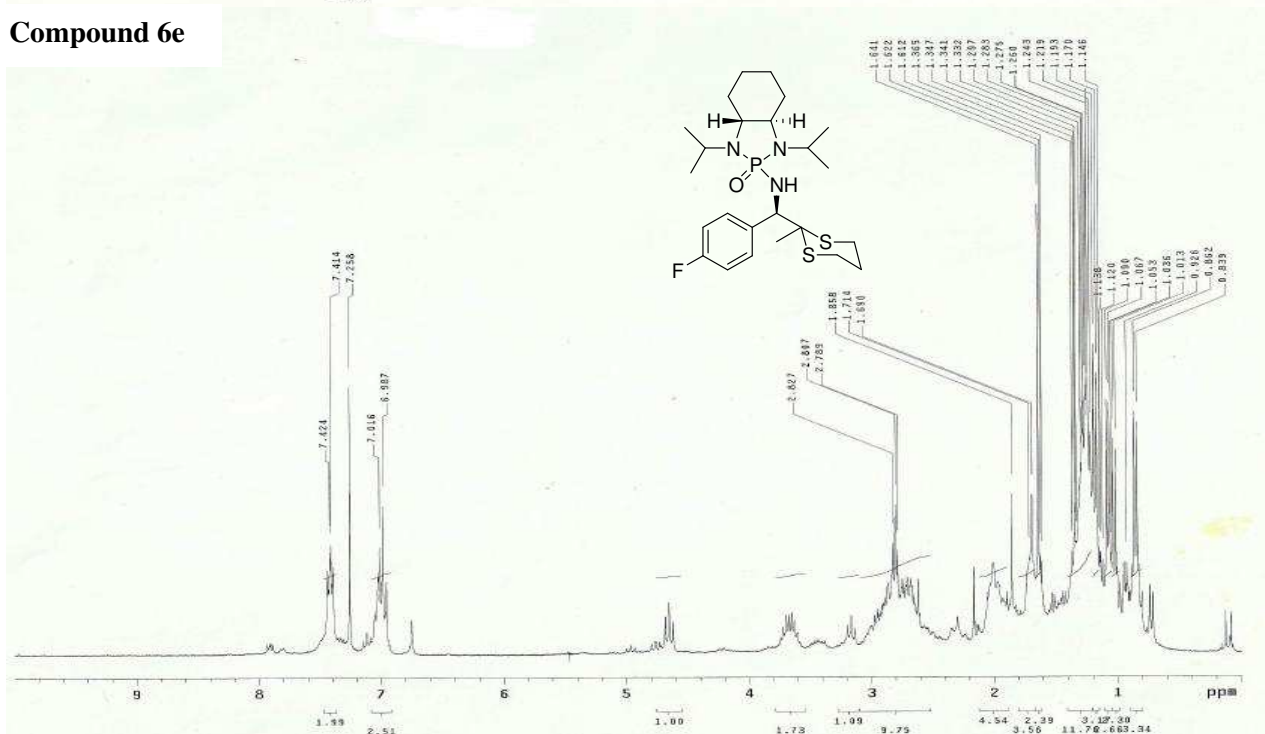
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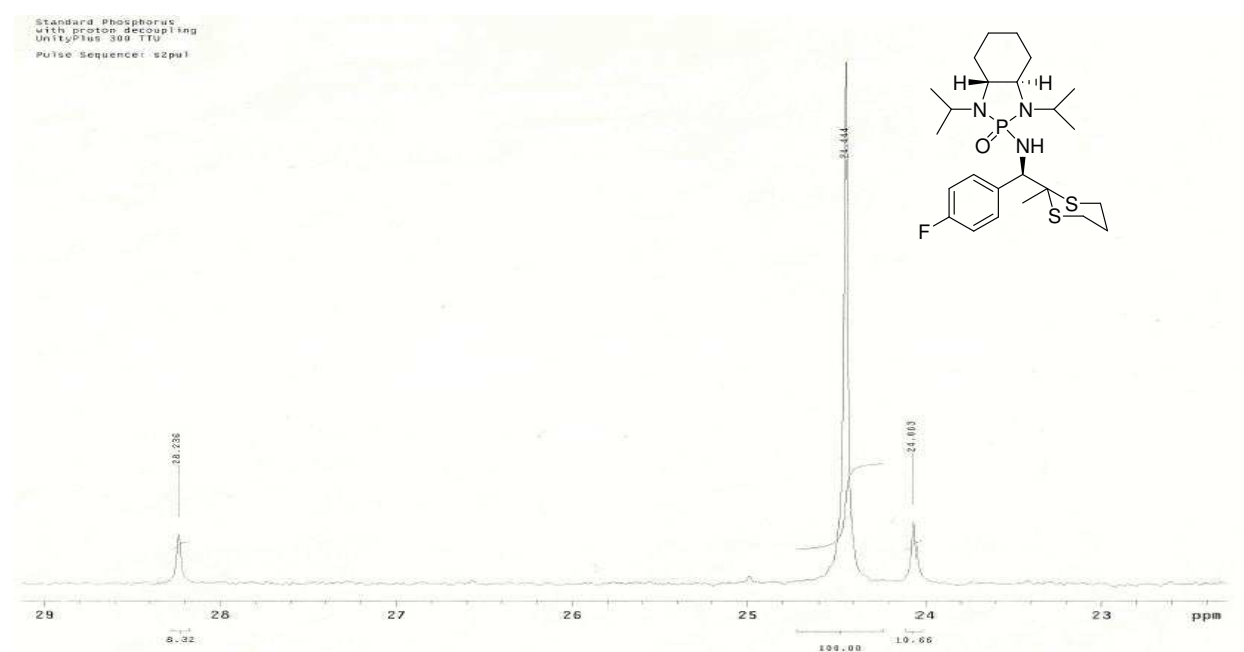
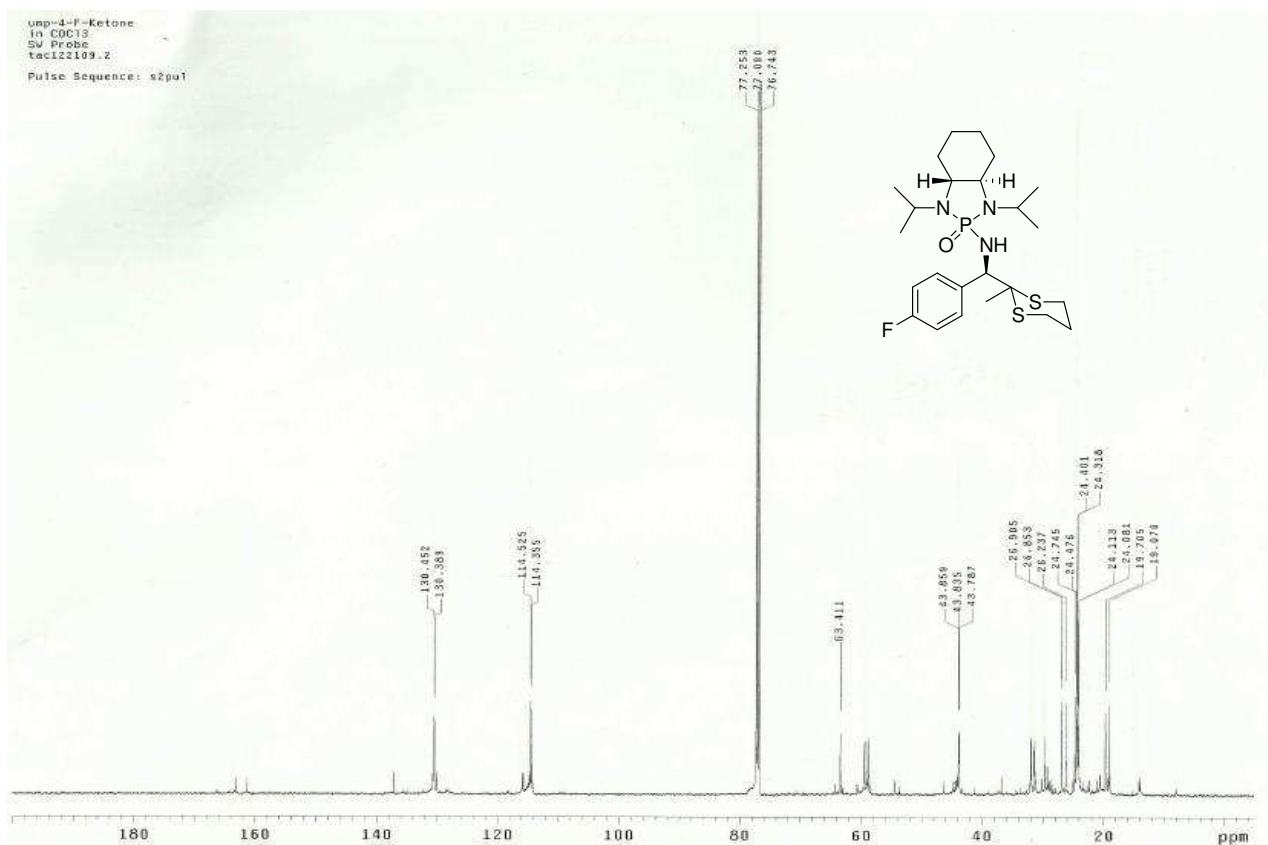




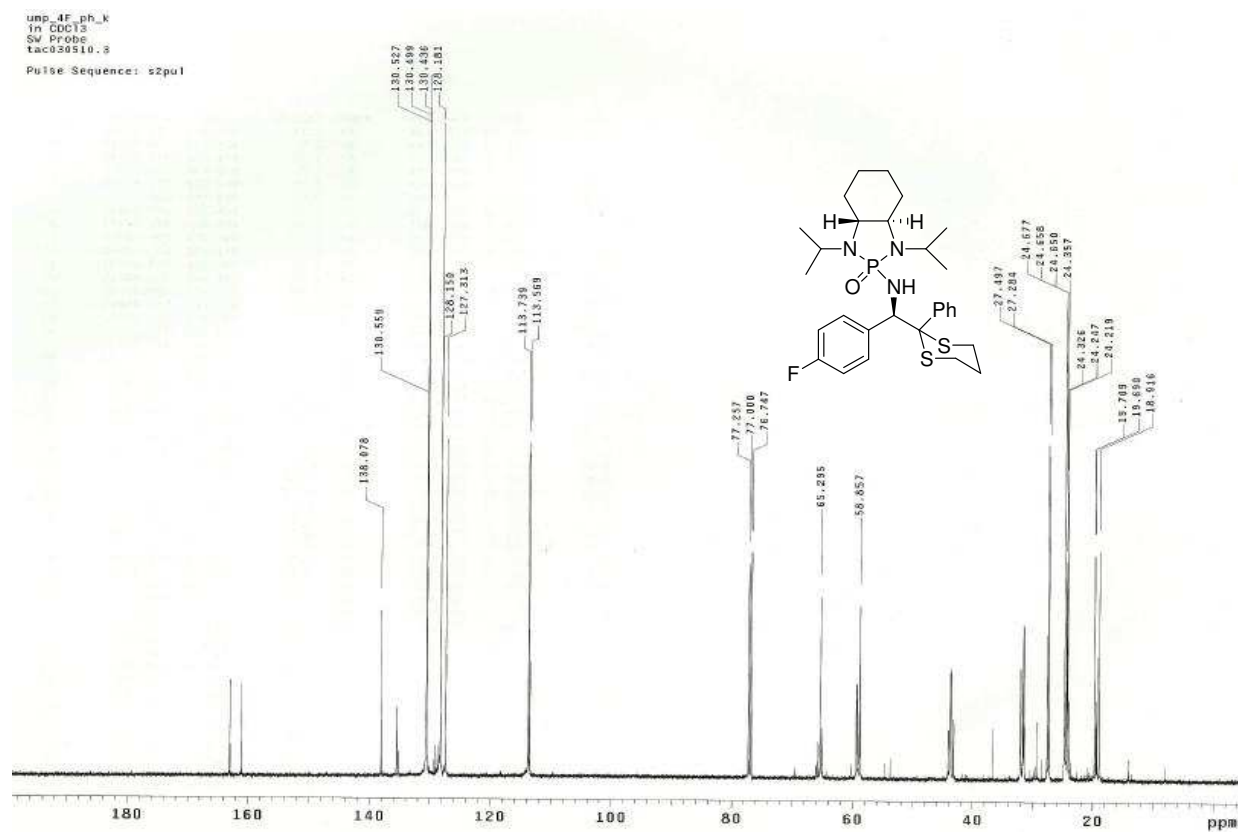
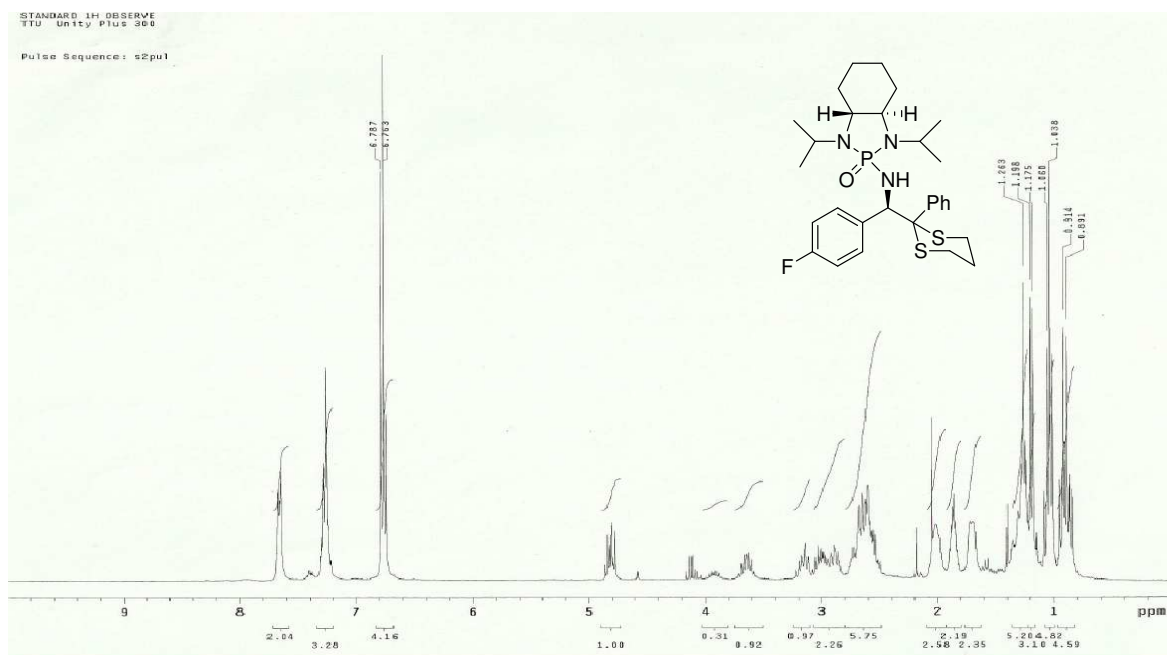


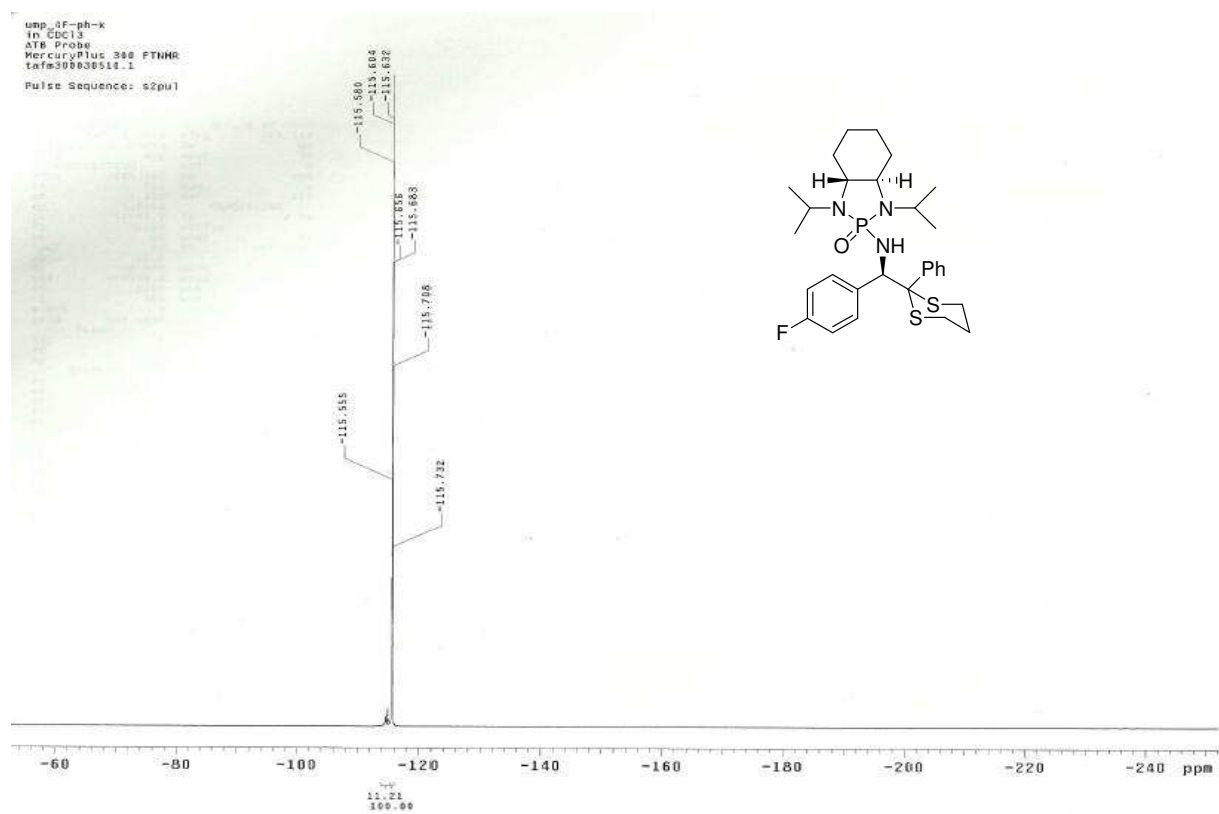
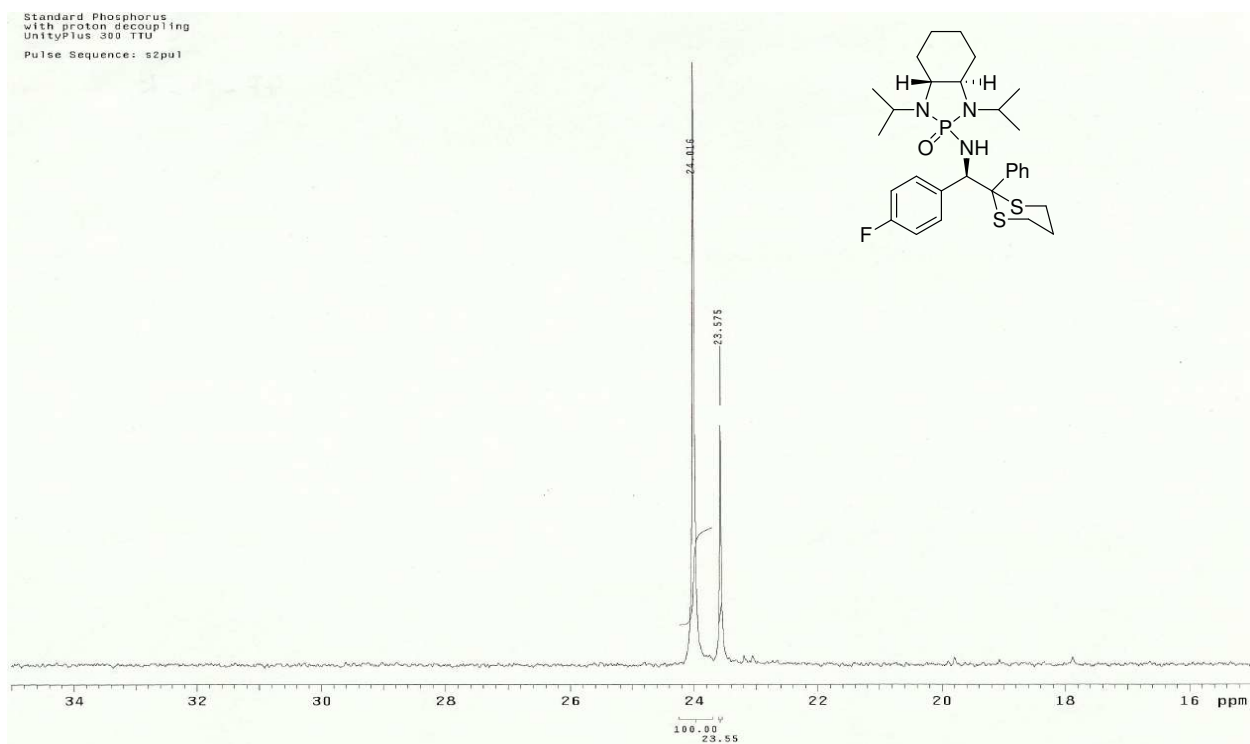
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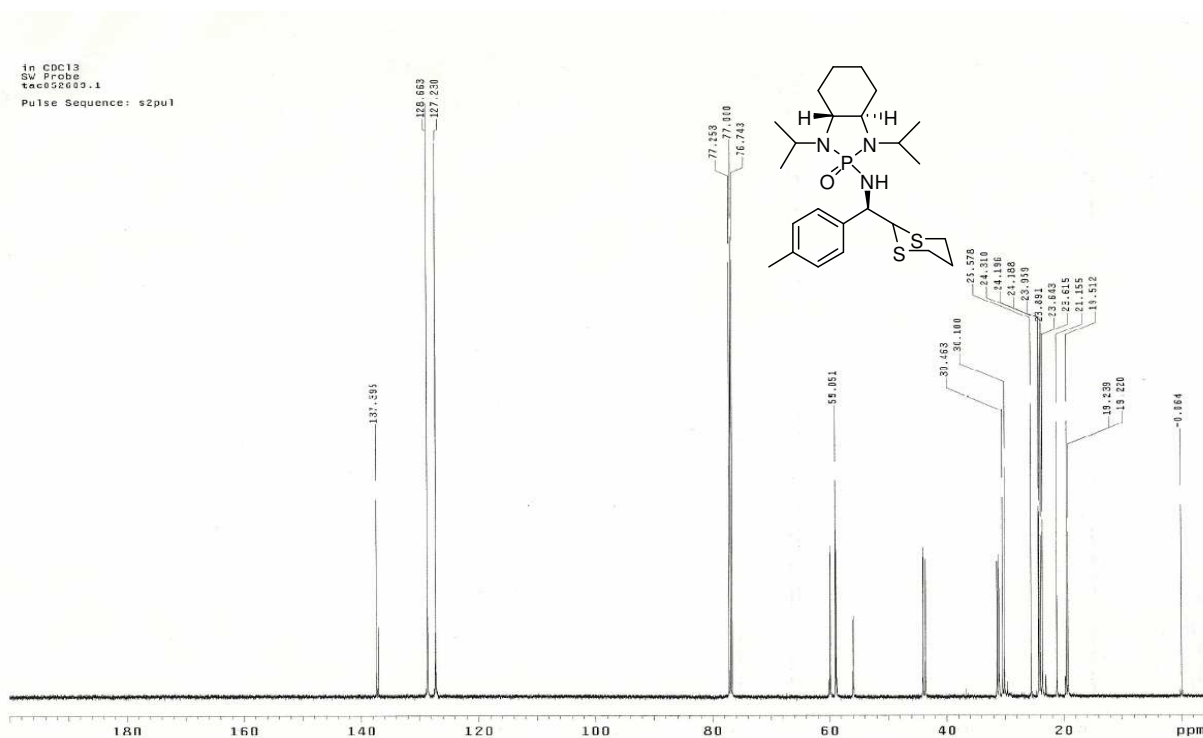
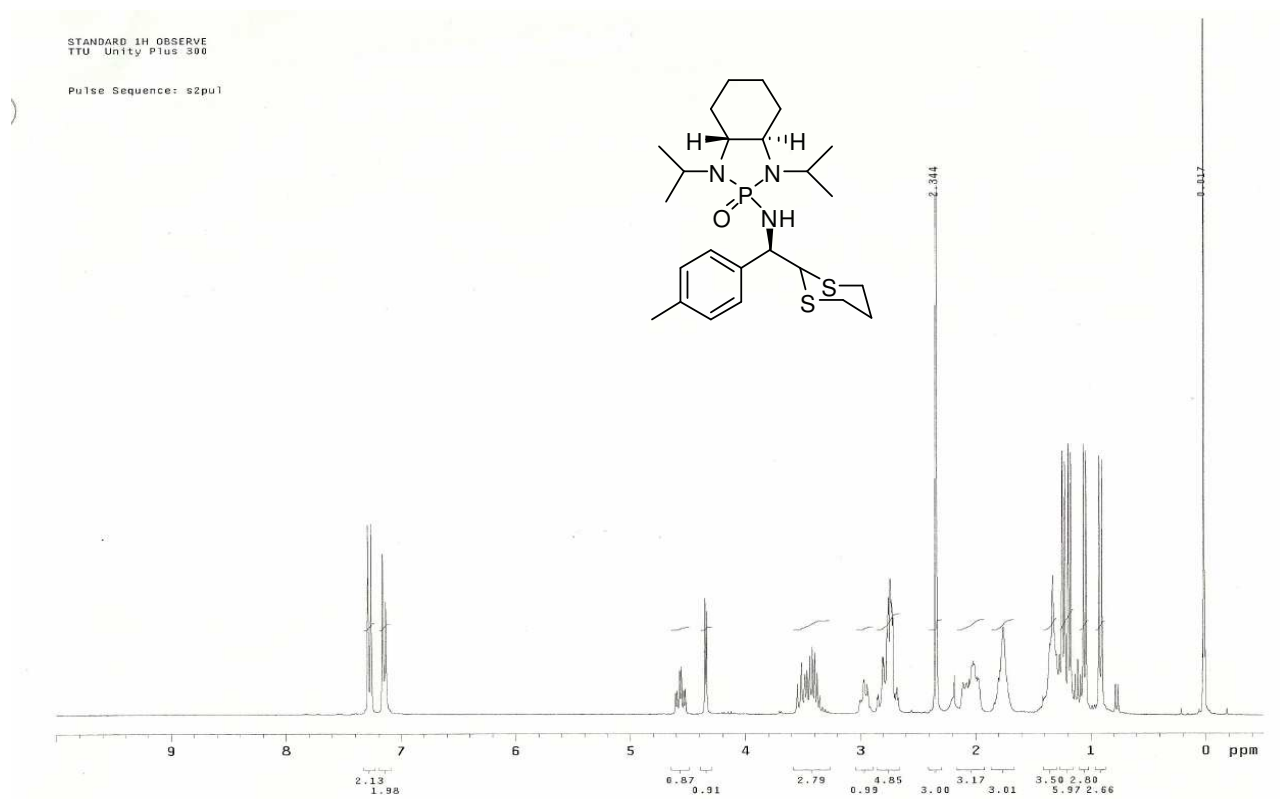


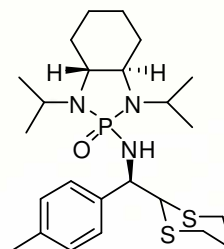
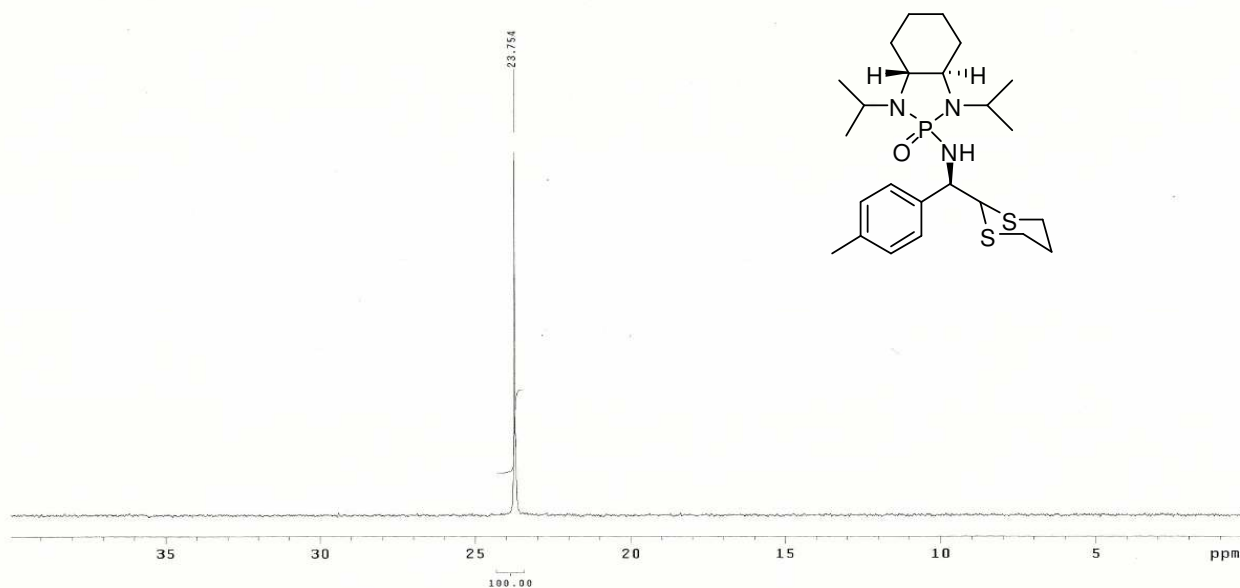
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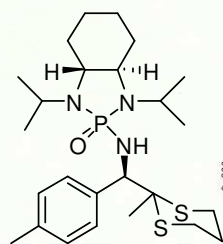
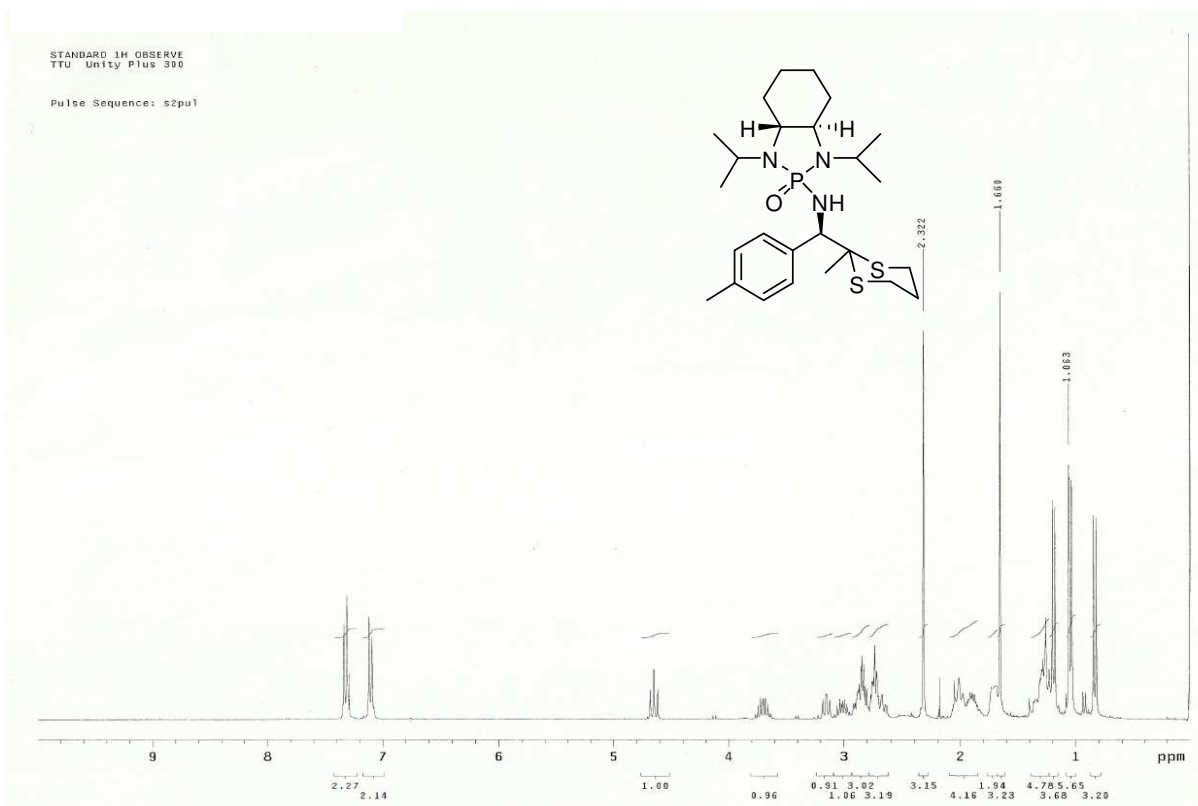


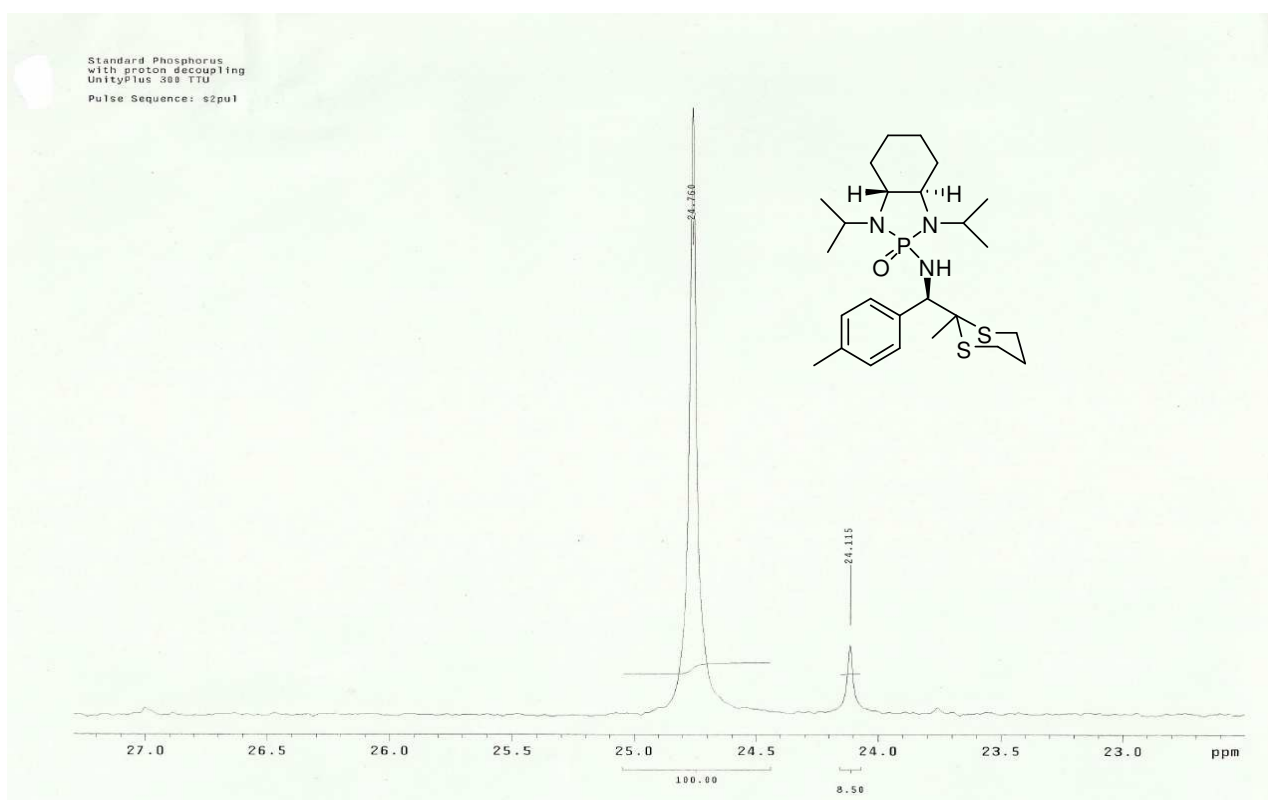
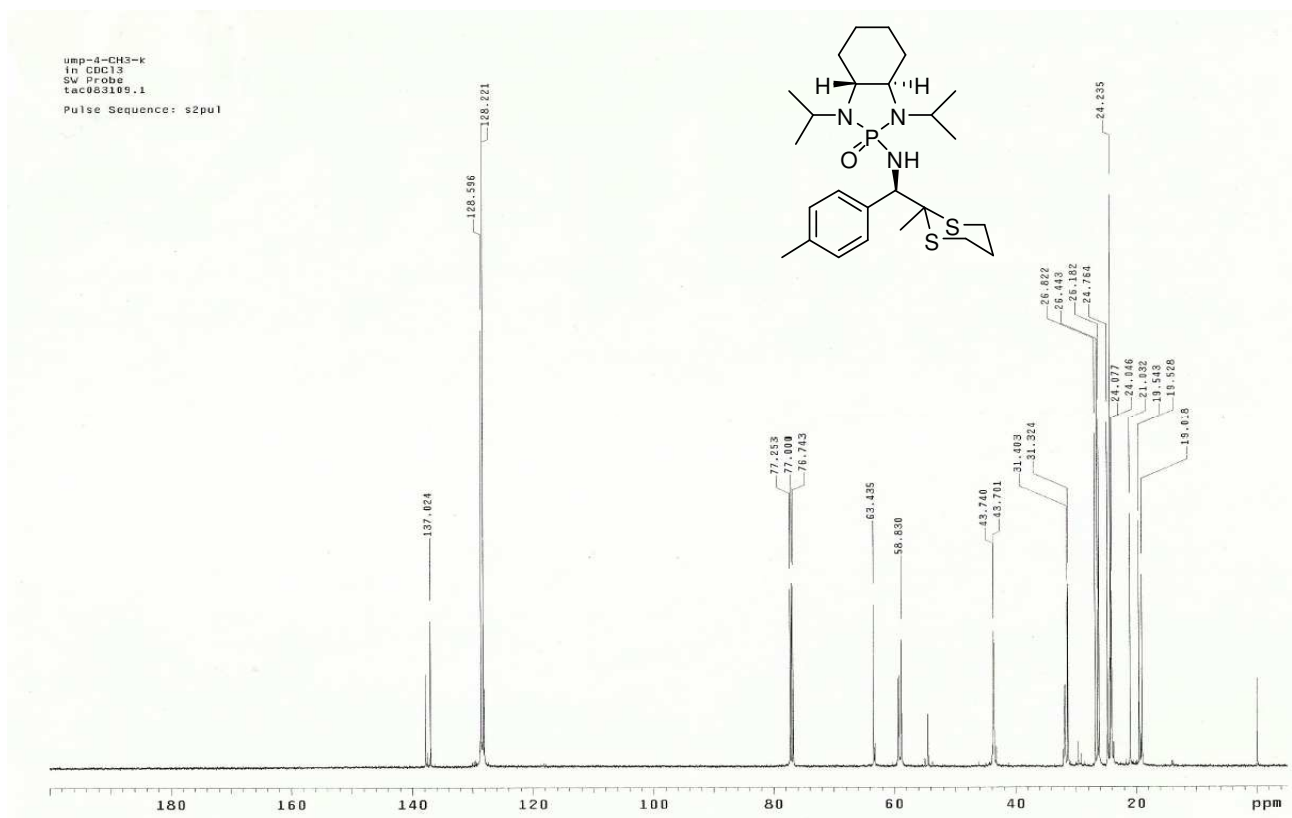
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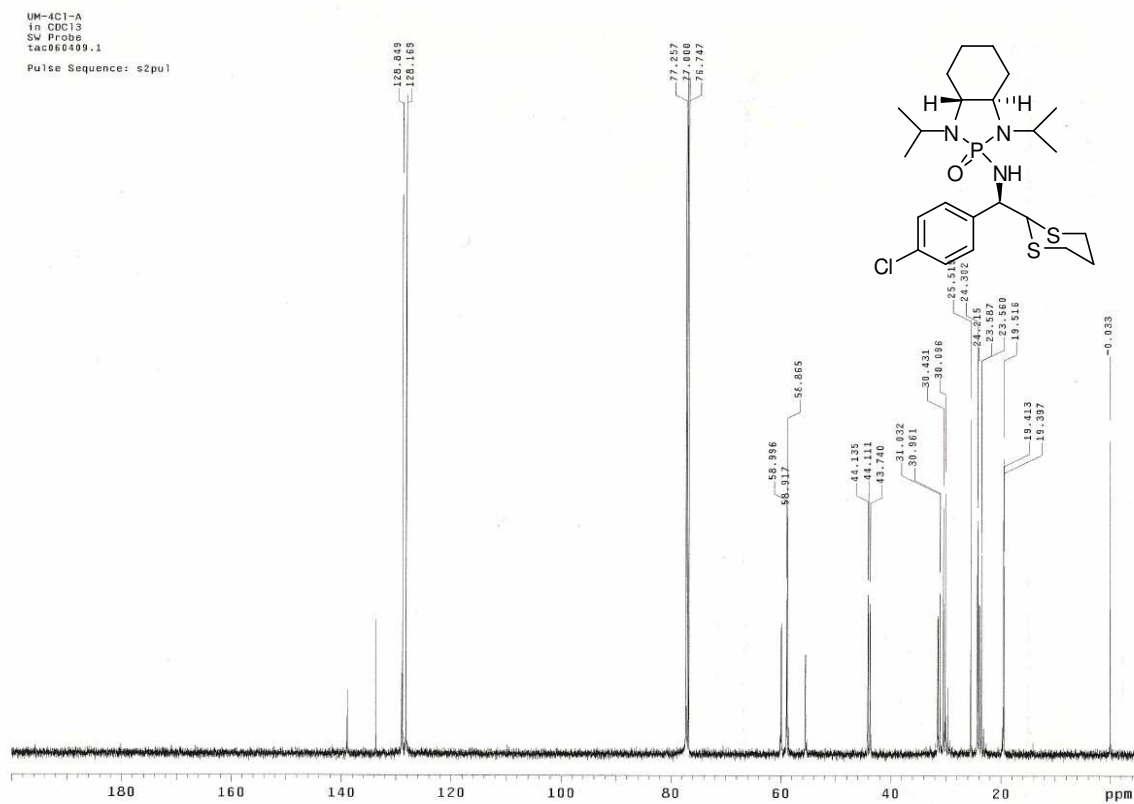
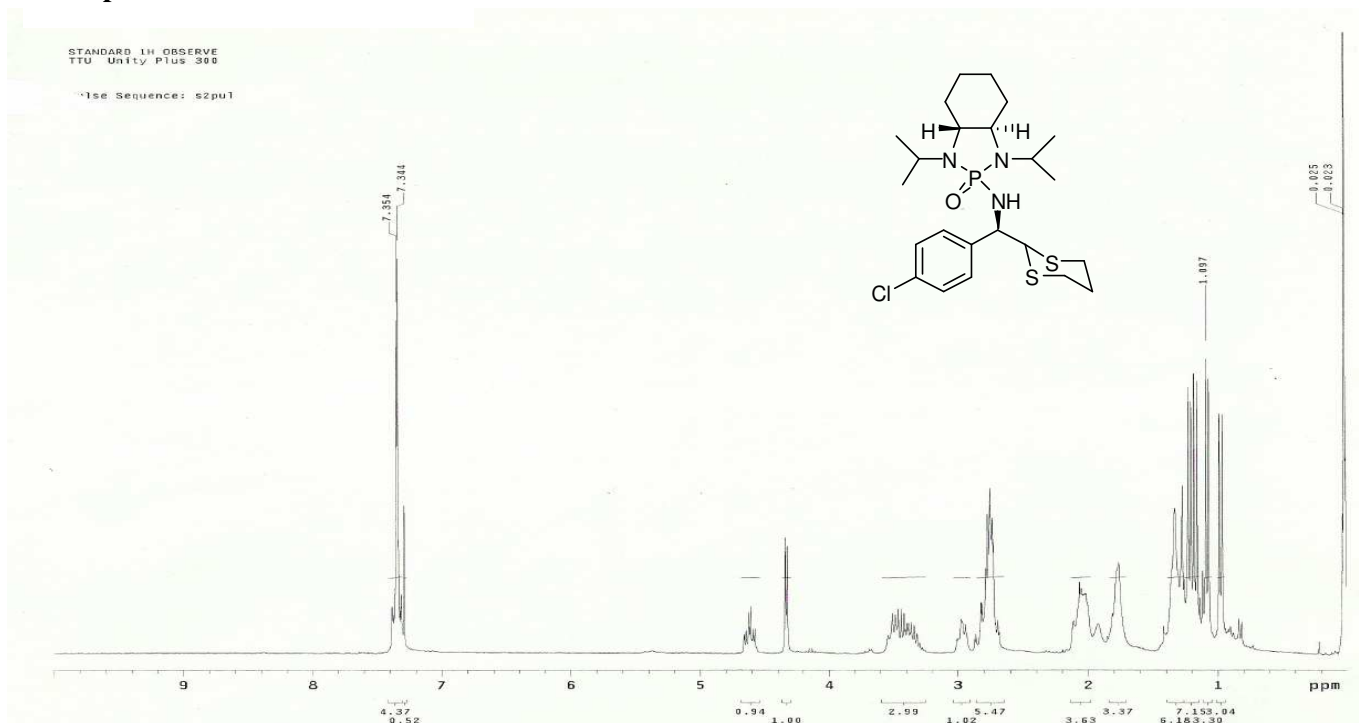


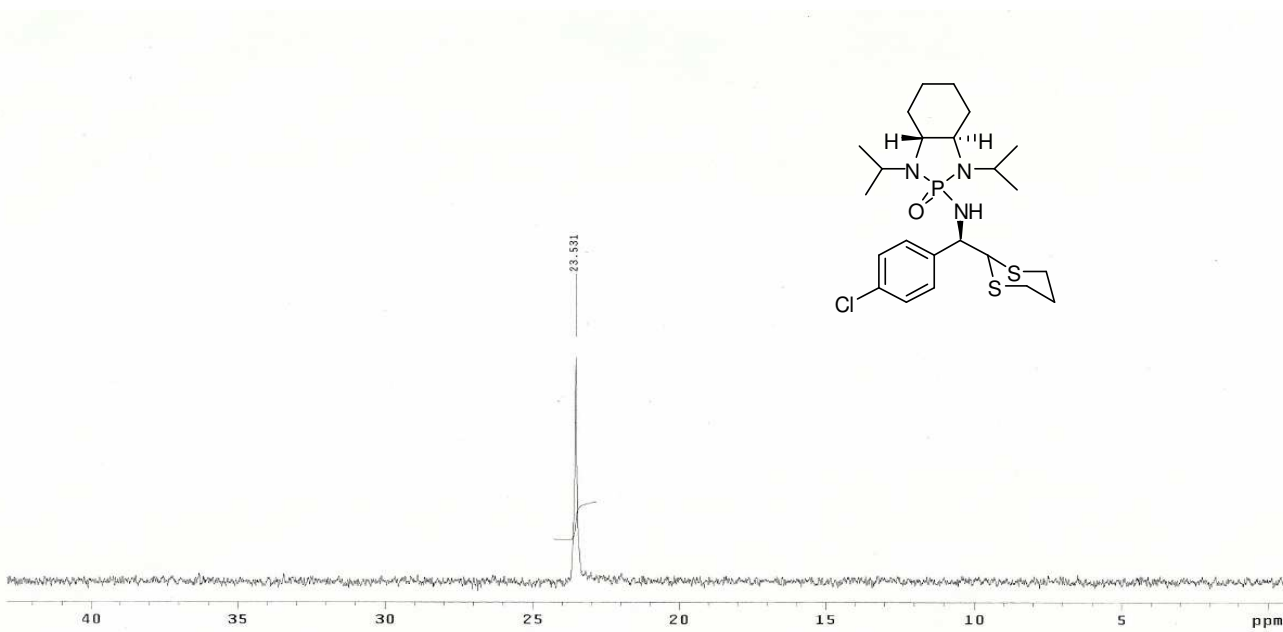
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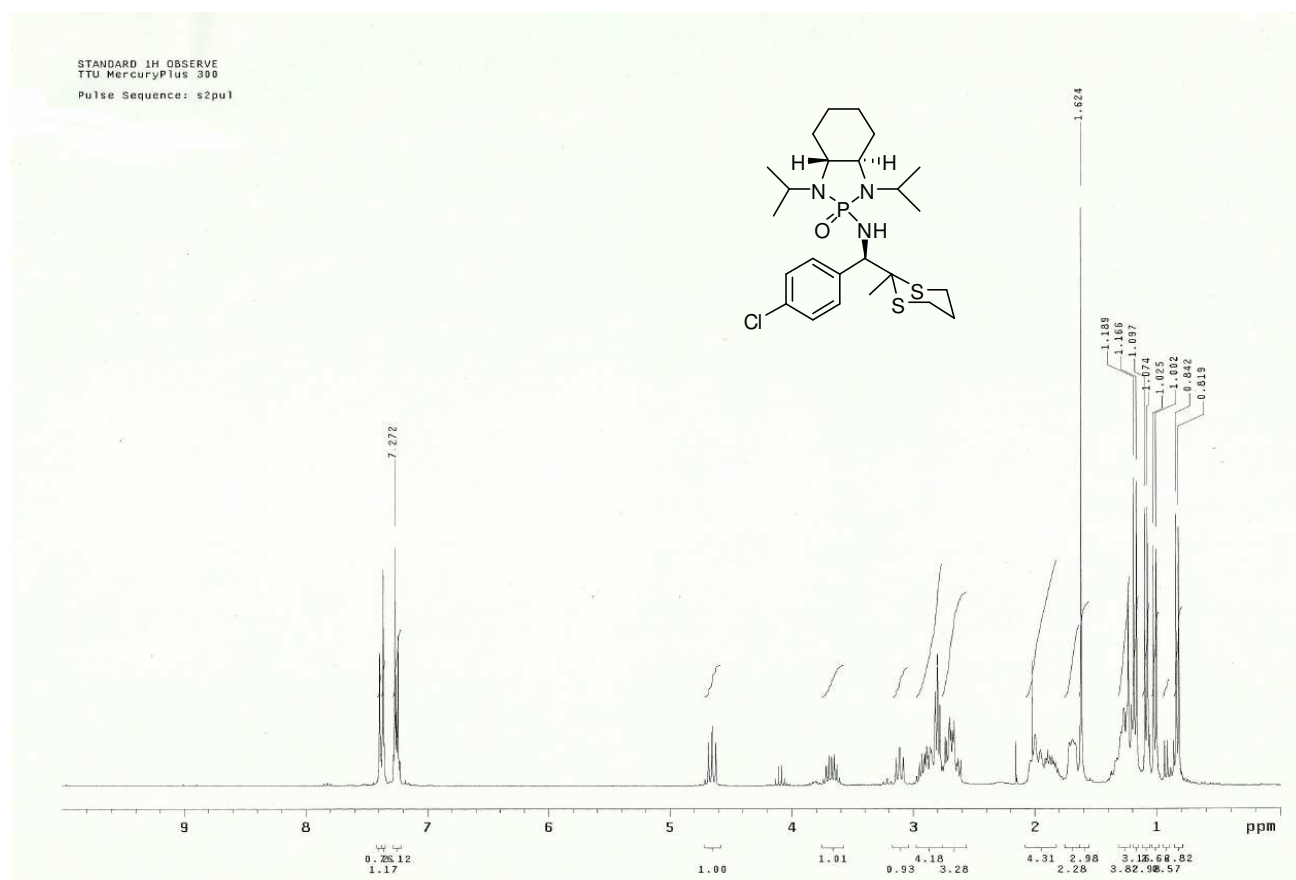


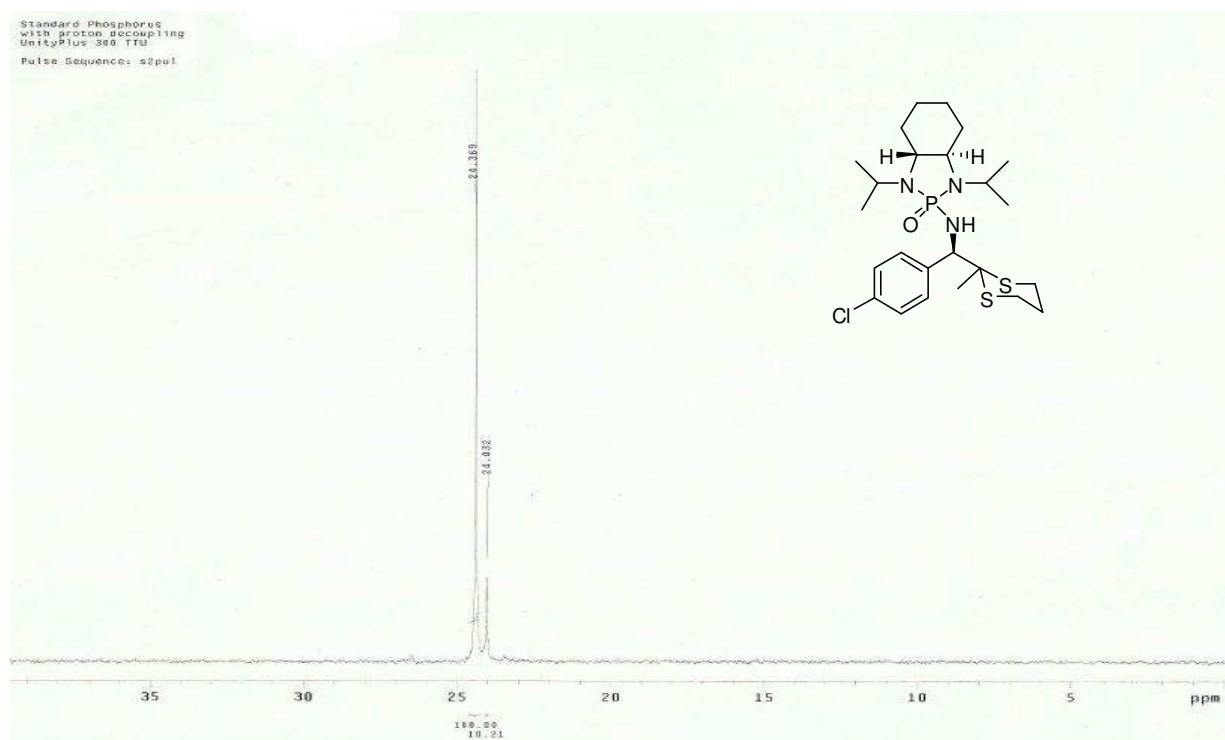
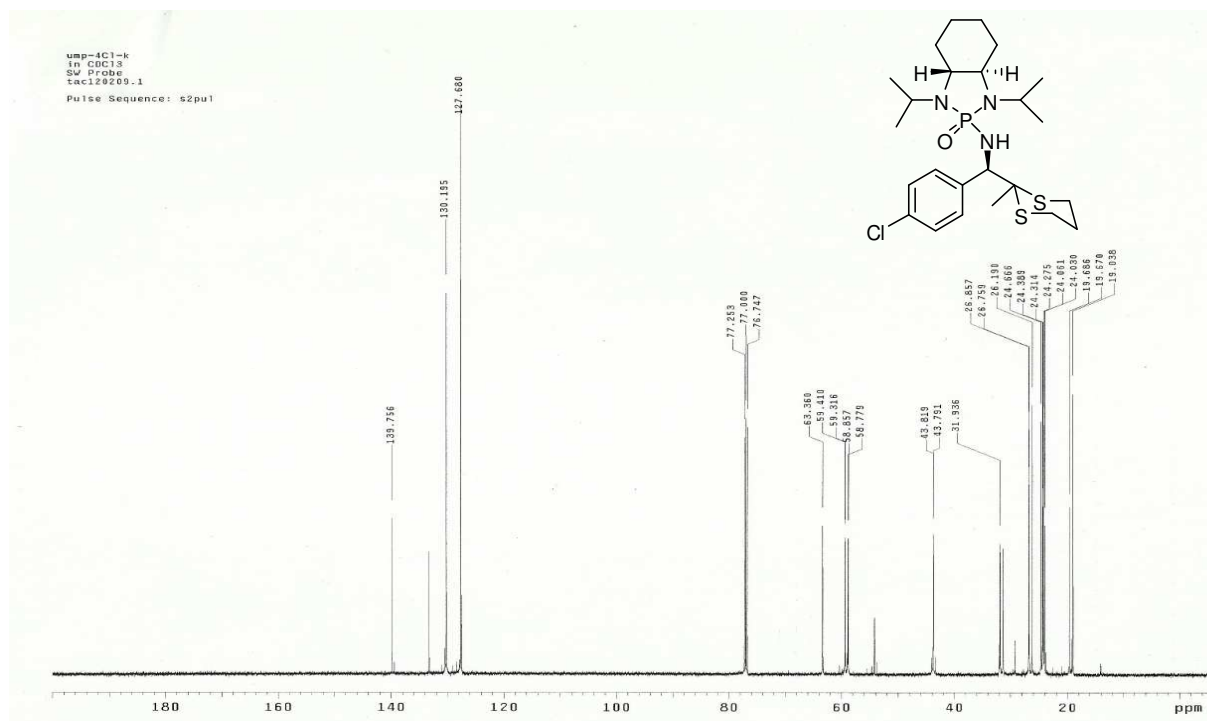
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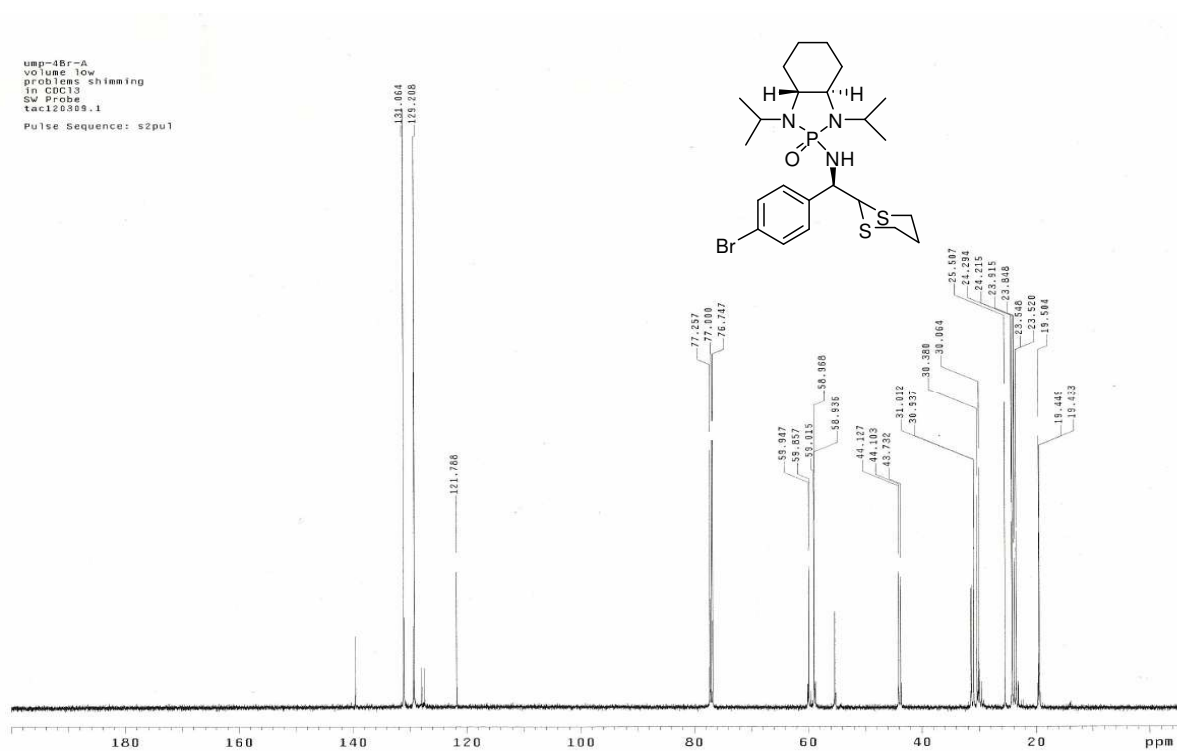
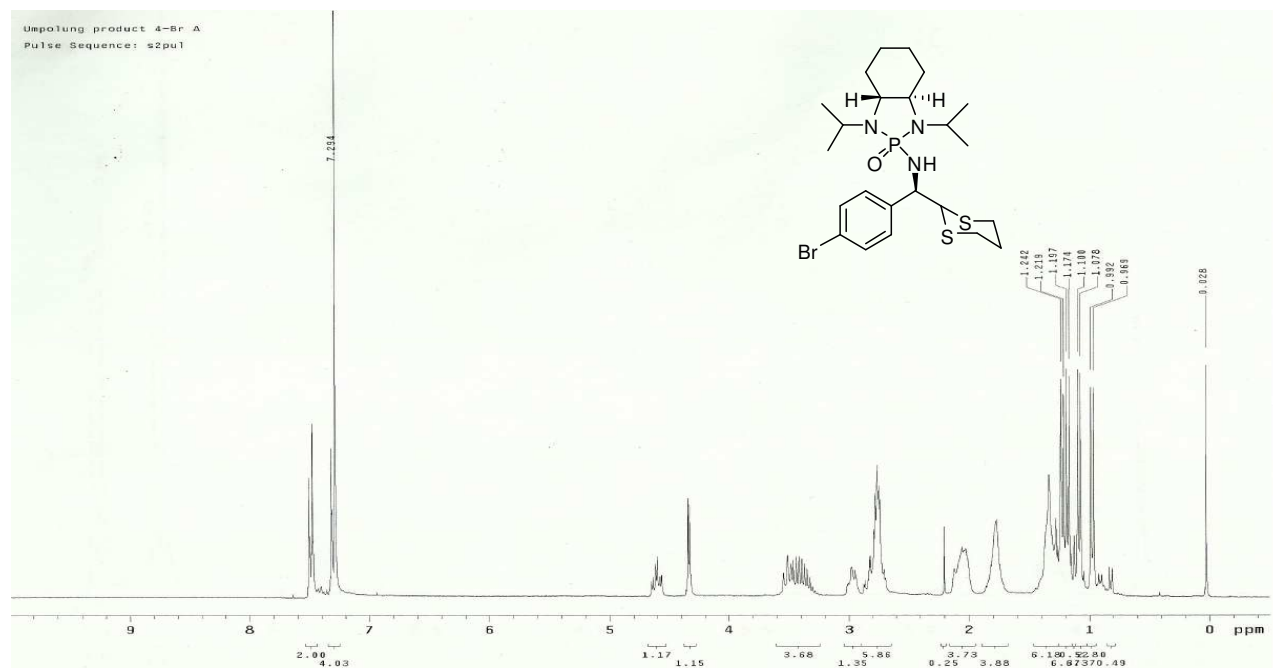


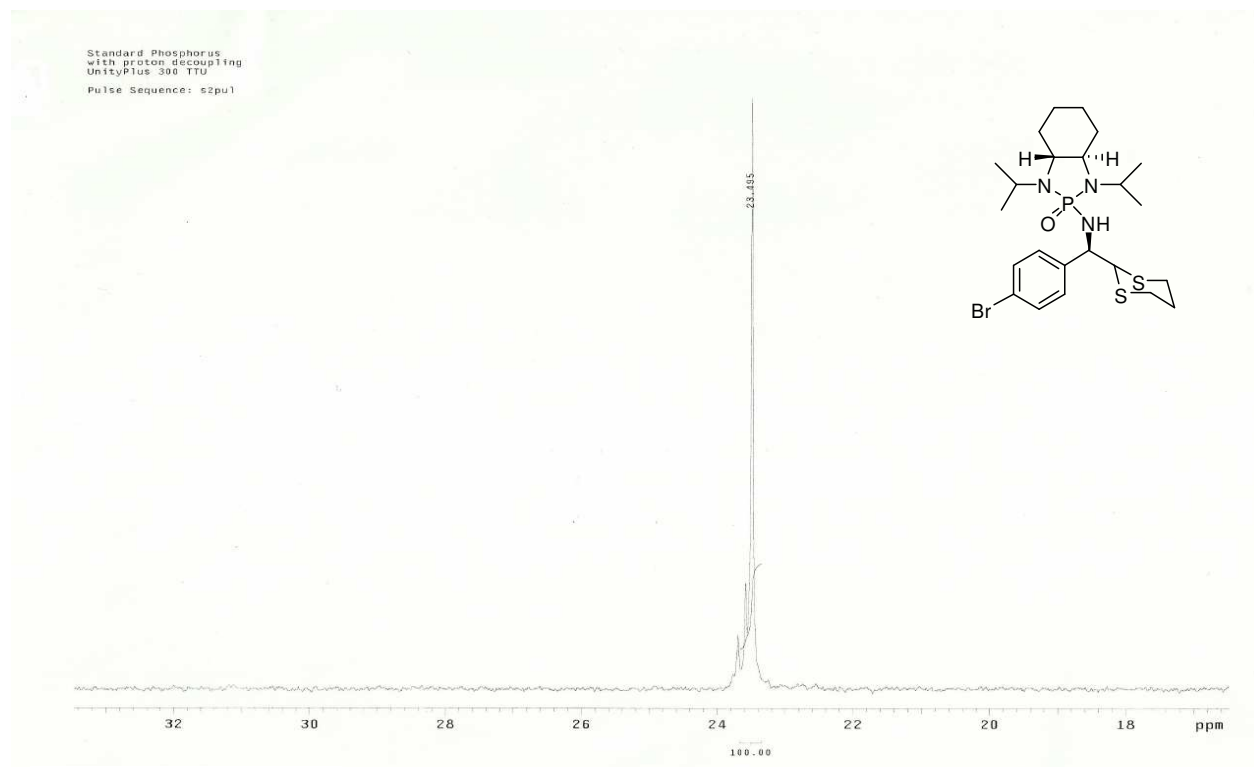
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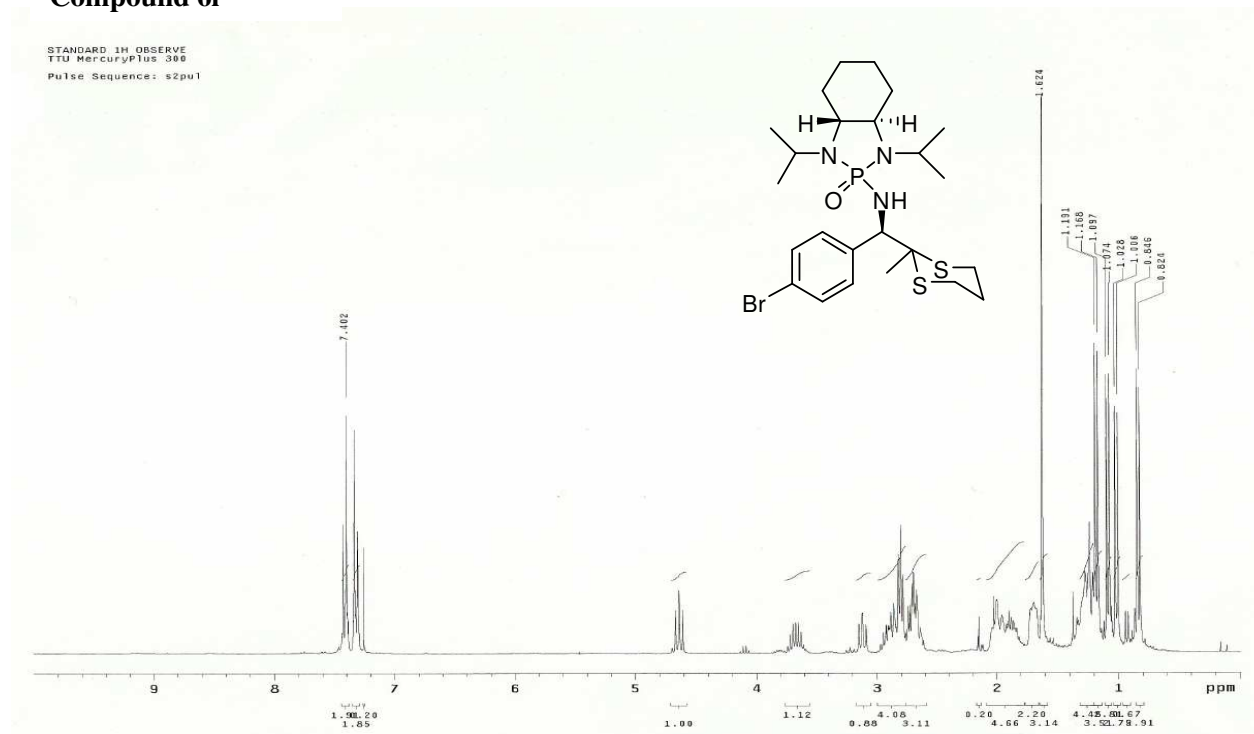


Compound 6k

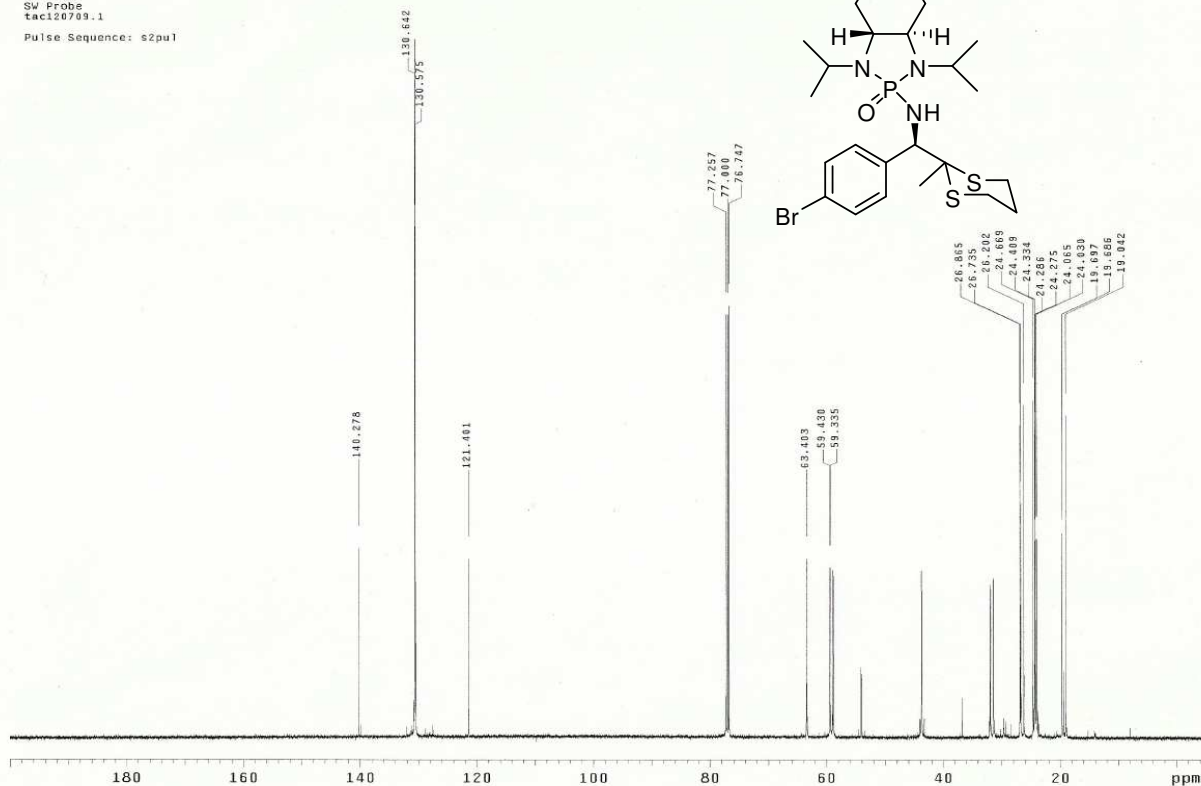




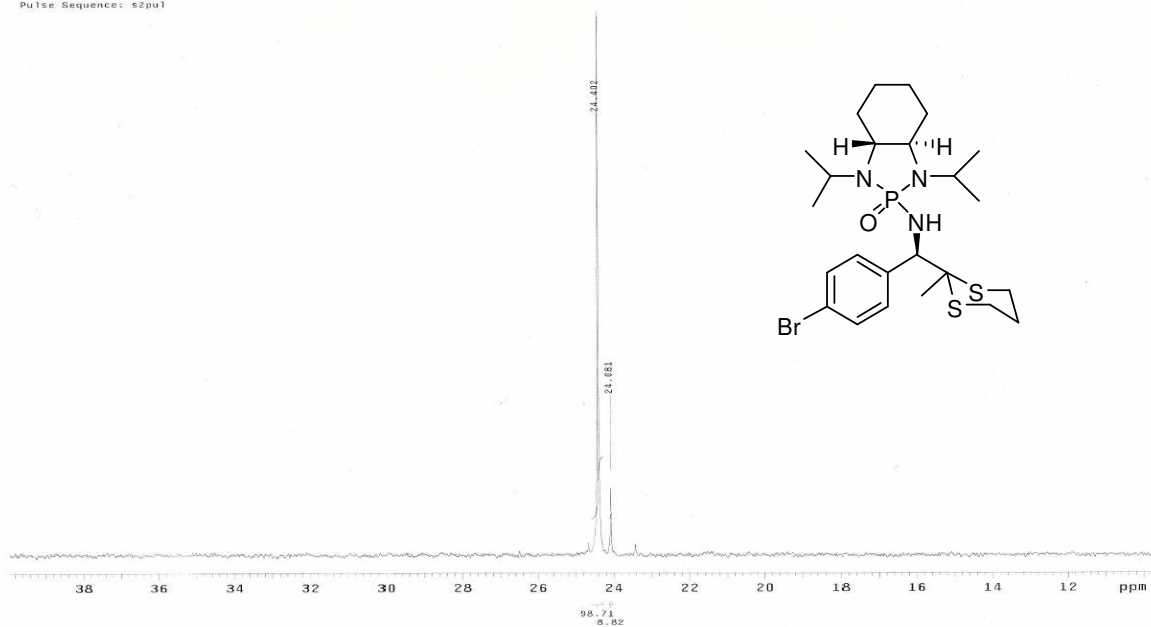
Compound 6l



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SV Probe
taci20709.1
Pulse Sequence: s2pu1



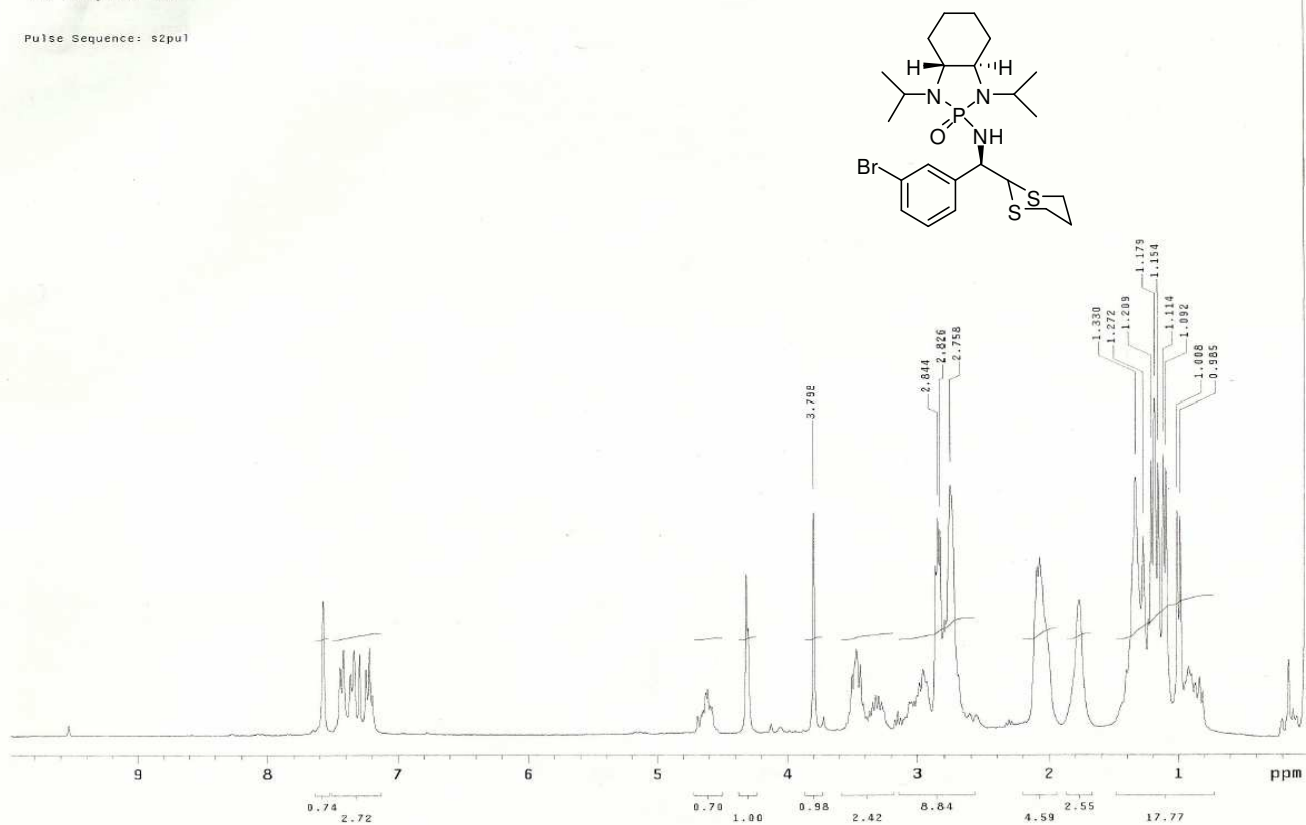
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with proton decoupling
UnityPlus 300 FTU
Pulse Sequence: s2pu1



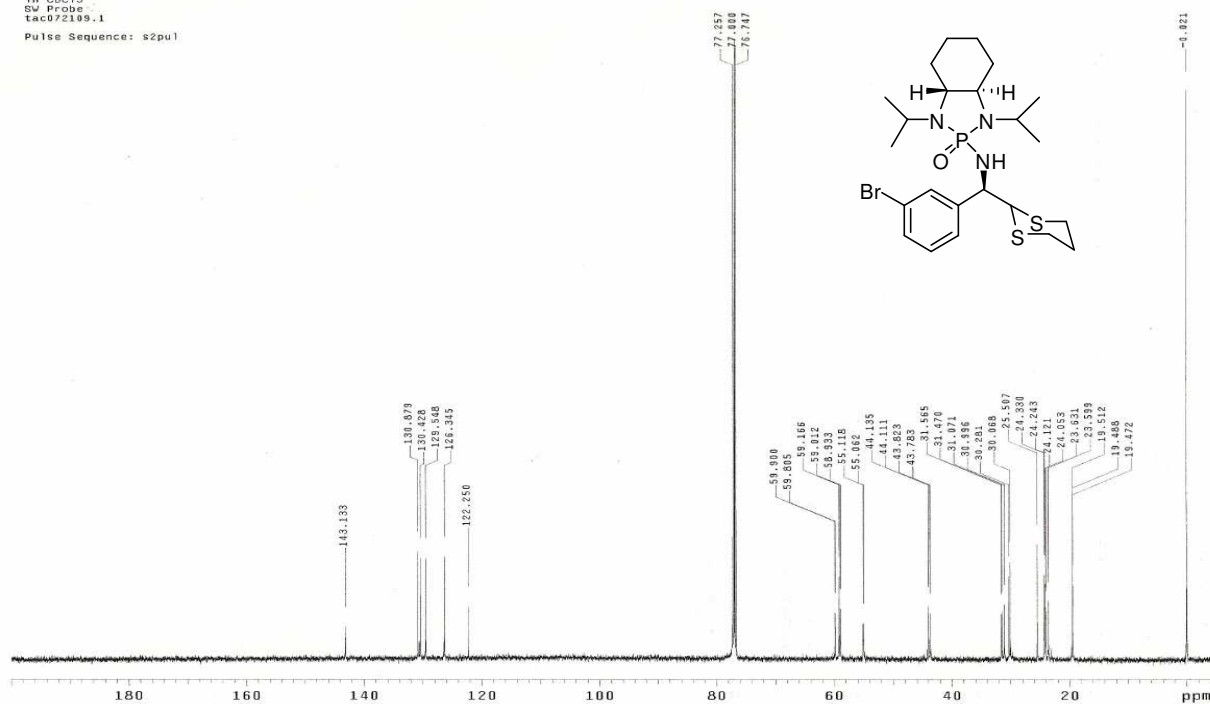
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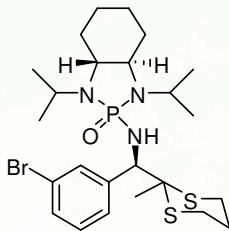
STANDARD 1H OBSERVE
TTU Unity Plus 300

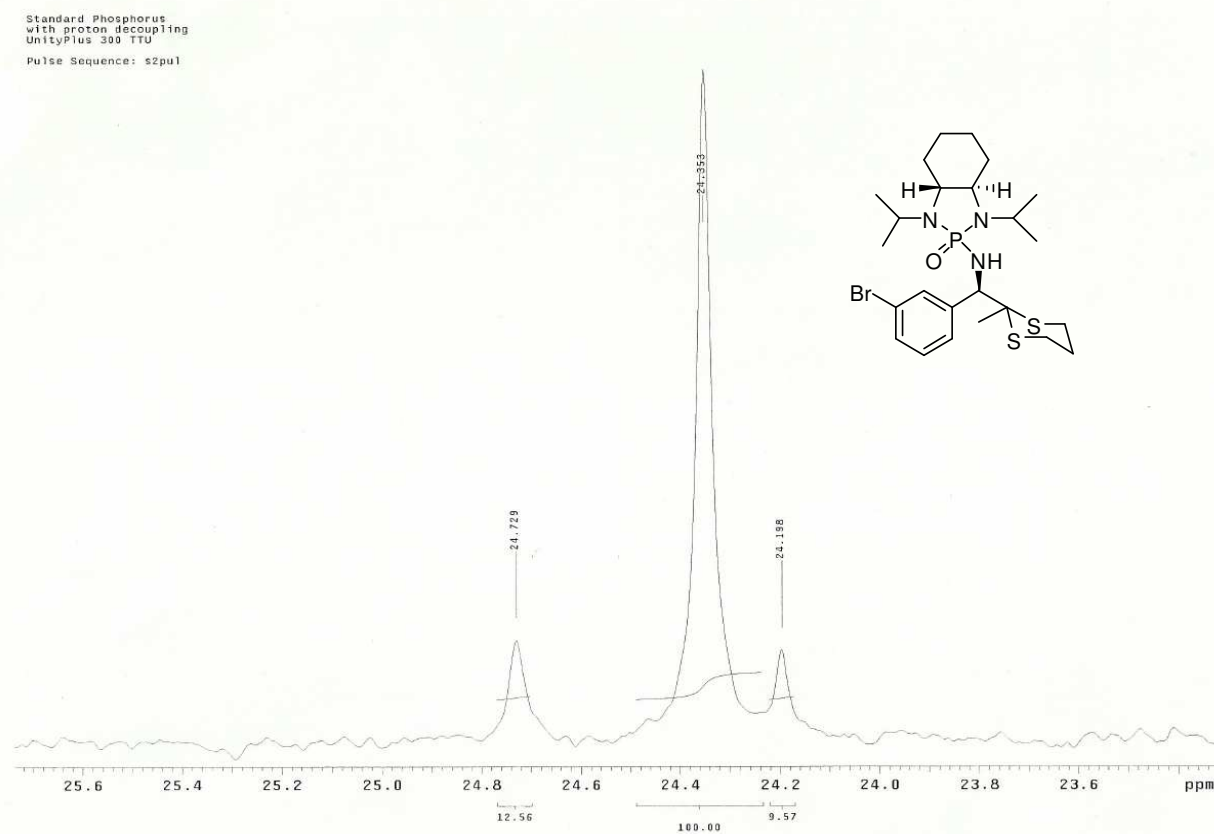
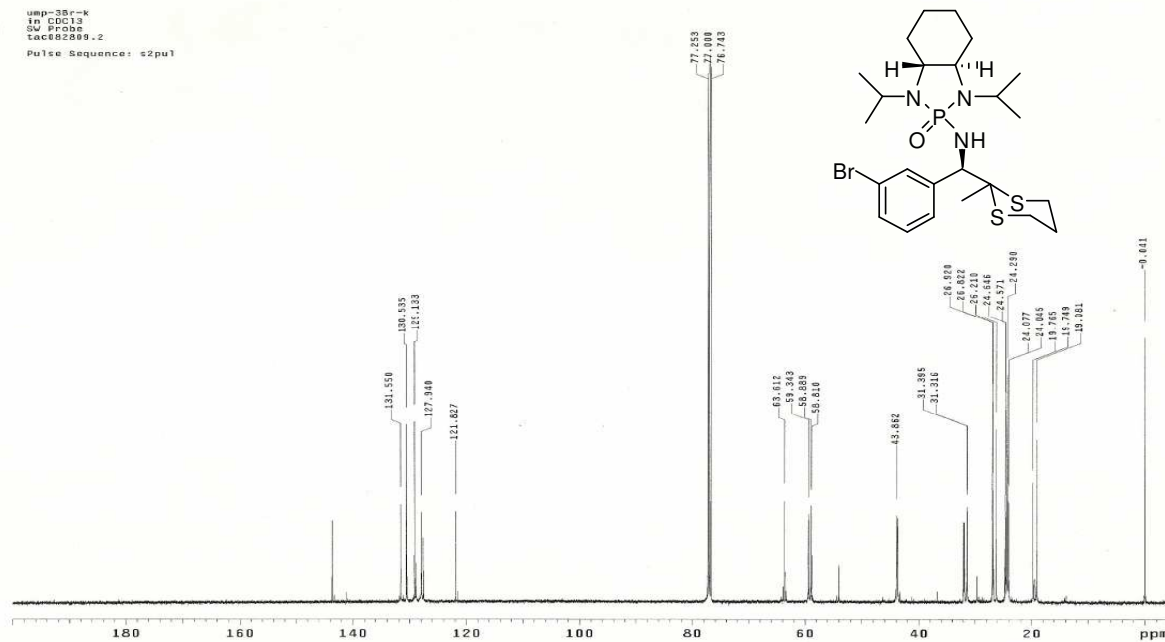
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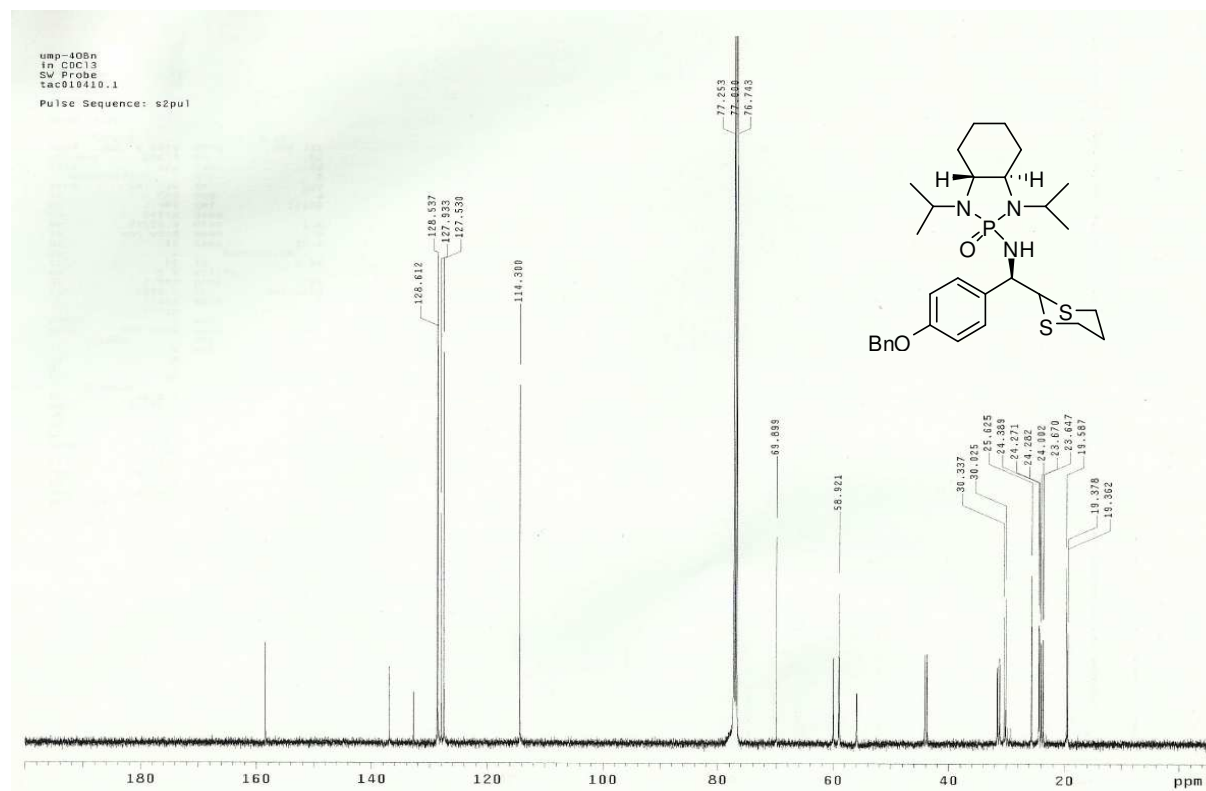
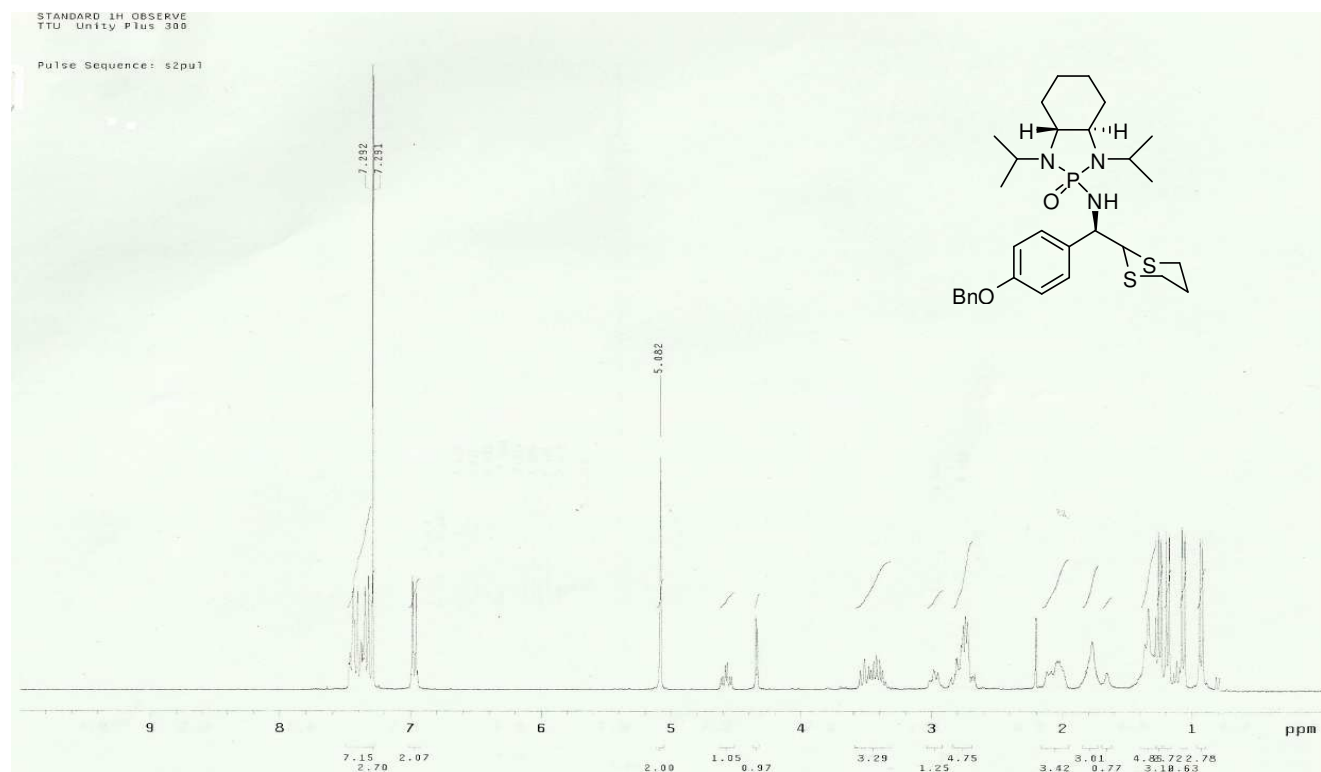
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in CDCl₃
SV Probe
tac072189.1
Pulse Sequence: s2pu1







Compound 60



Standard Phosphorus
with proton decoupling
UnityPlus 300 TTU
Pulse Sequence: s2pu1

