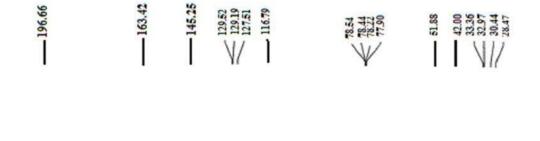
## Supplementary materials

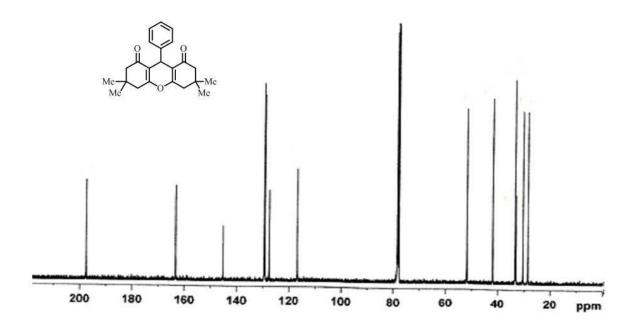
Journal: Catalysis Science & Technology

## Synthesis of xanthene derivatives by employing Fe<sub>3</sub>O<sub>4</sub> nanoparticles as an effective and magnetically recoverable catalyst in water

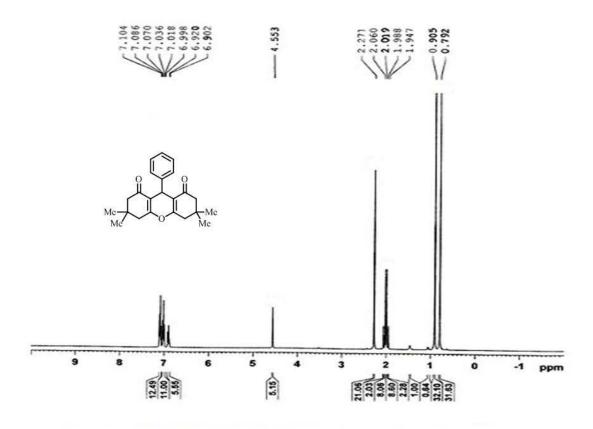
Bahador Karami<sup>a</sup>\*, S. Jafar Hoseini<sup>a</sup>, Khalil Eskandari<sup>a</sup>, Abdolmohammad Ghasemi<sup>b</sup>, Hassan Nasrabadi<sup>a</sup>

<sup>&</sup>lt;sup>a</sup>Department of Chemistry, Yasouj University, Yasouj, Iran. Fax: +98 7412224167; Tel.: +98 7412223048; E-mail: karami@mail.yu.ac.ir <sup>b</sup>Islamic Azad University, Gachsaran Branch, Gachsaran, Iran.

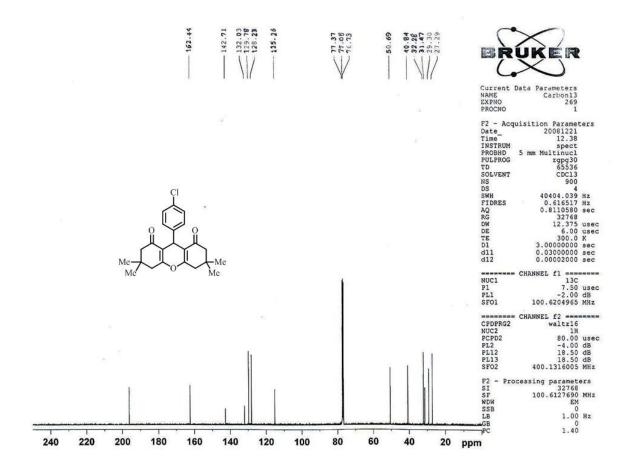




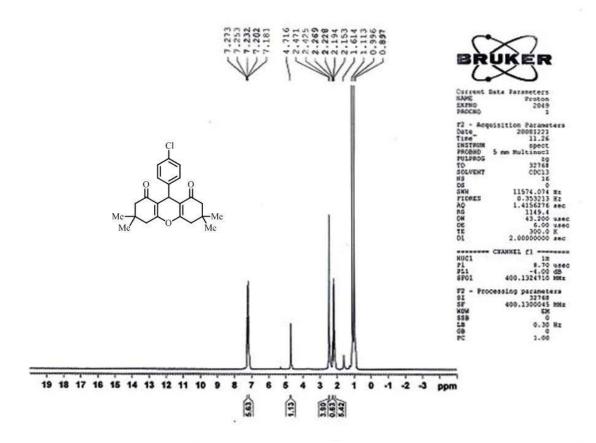
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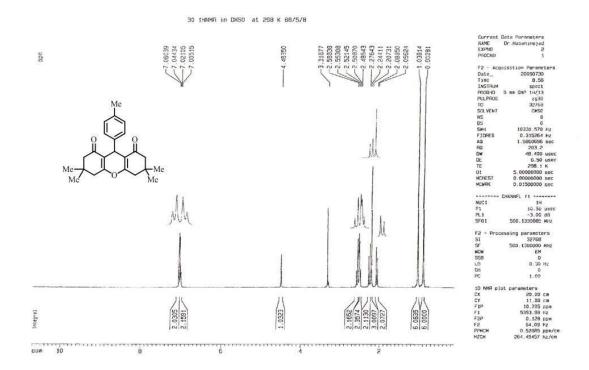
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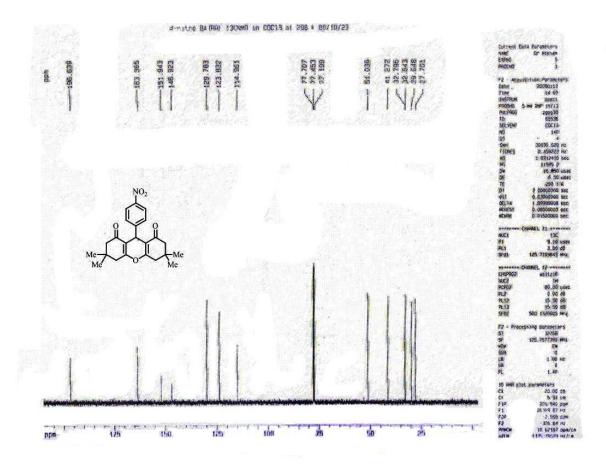
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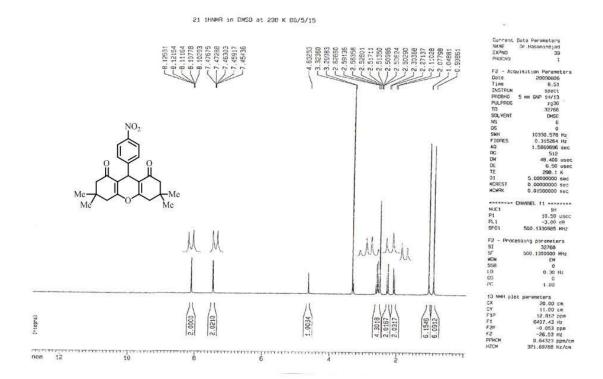
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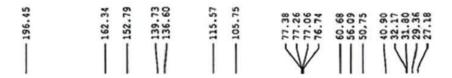
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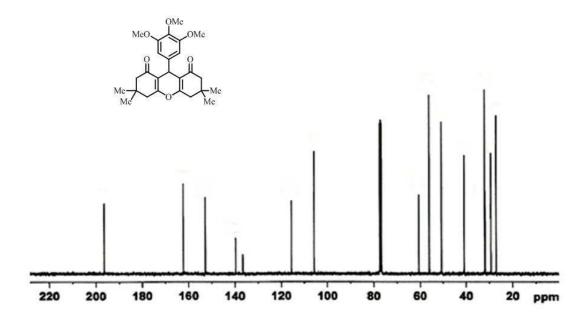


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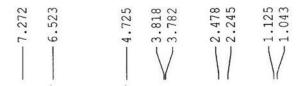


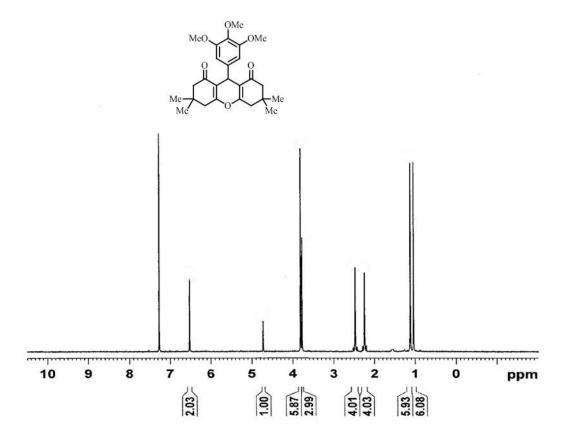
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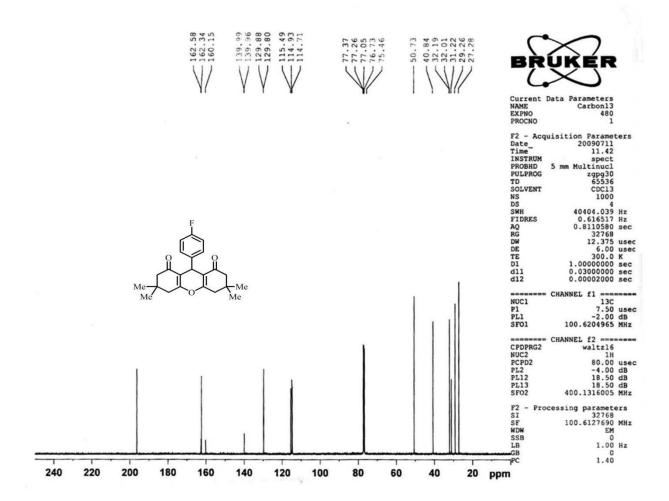


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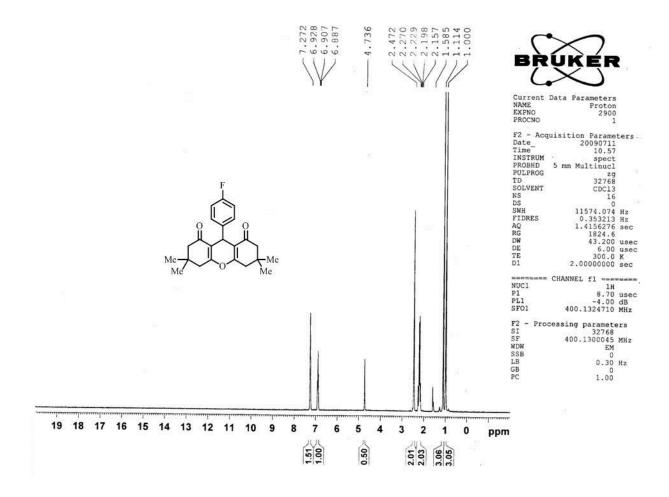




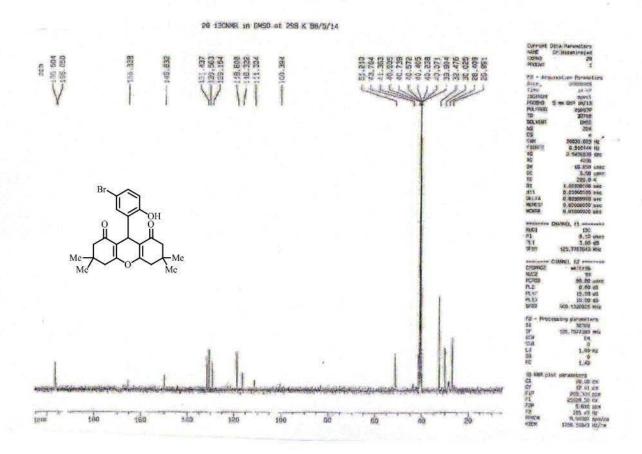
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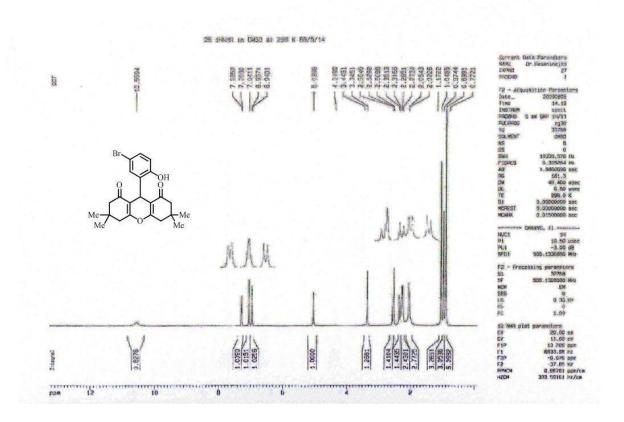
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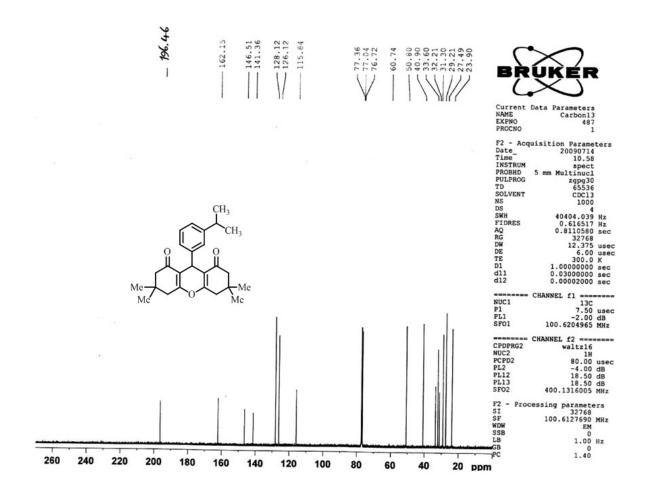
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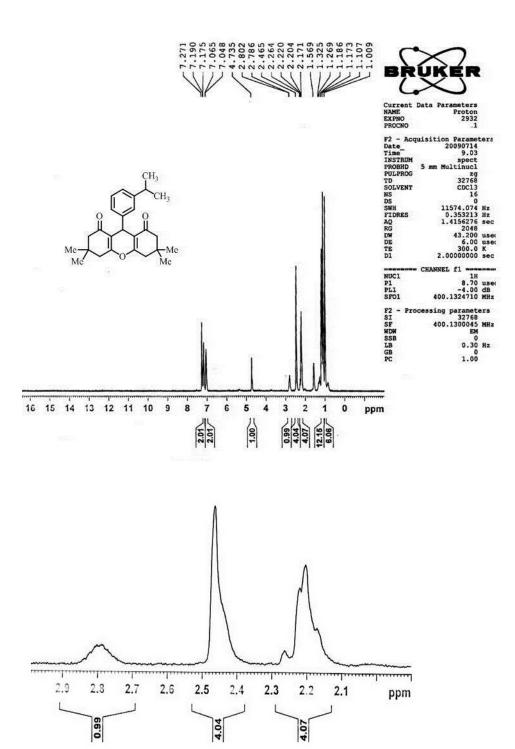
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HNMR-Table 1, entry 8

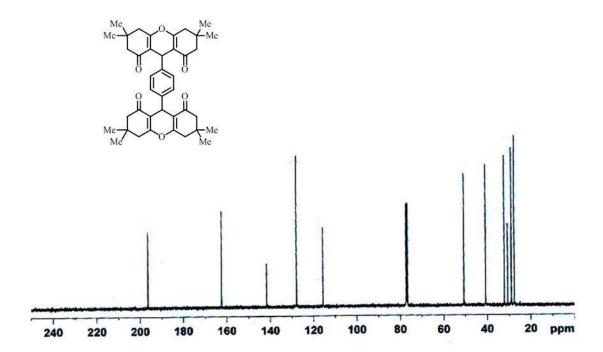


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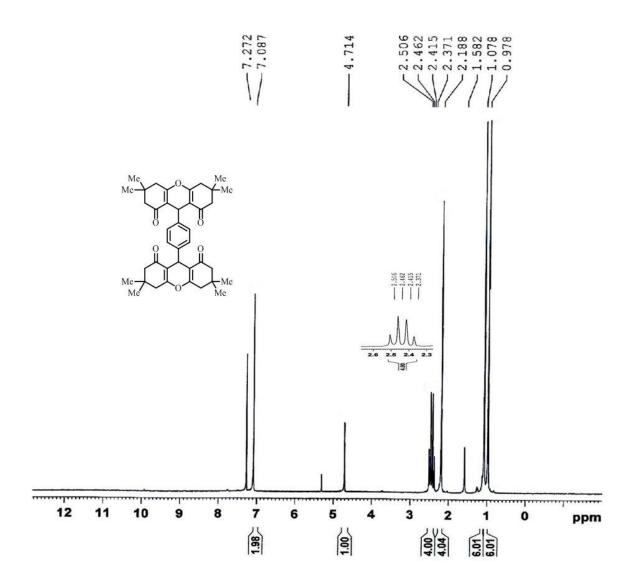


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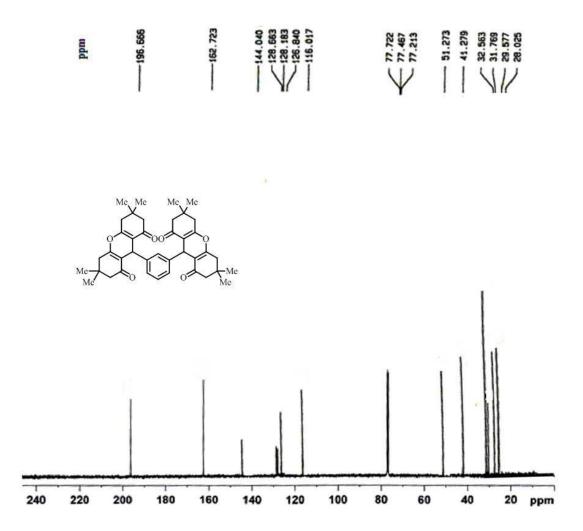




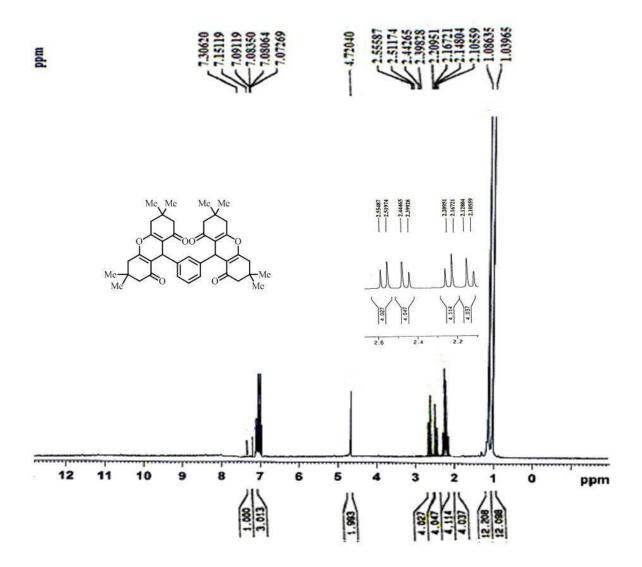
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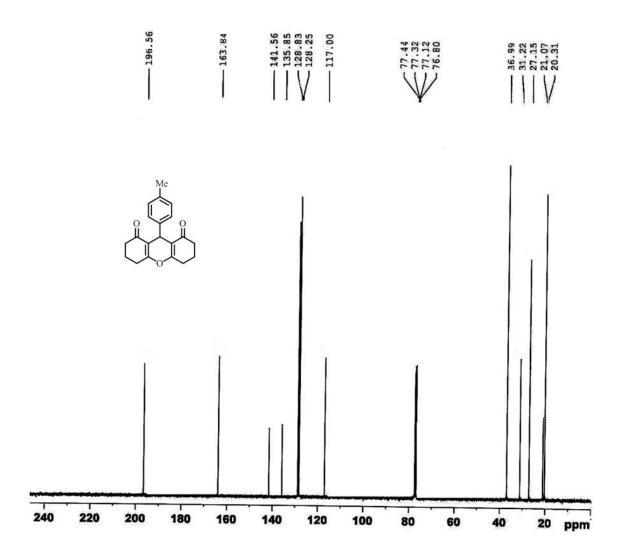
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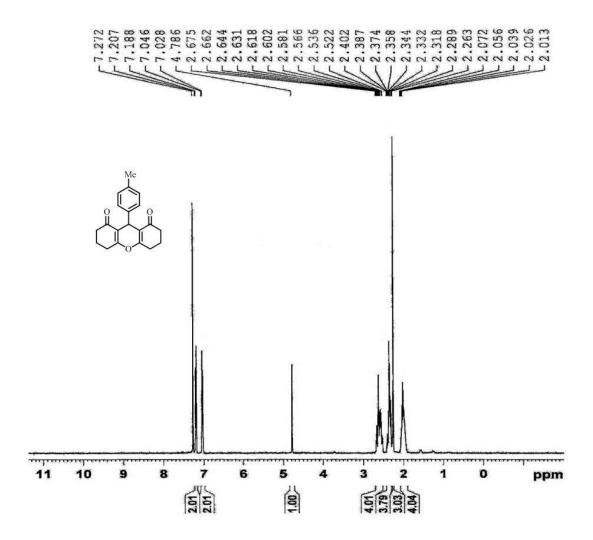
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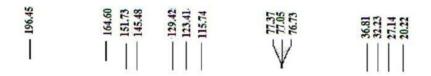
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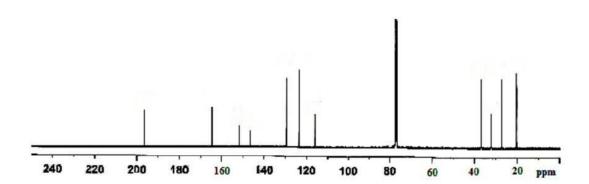


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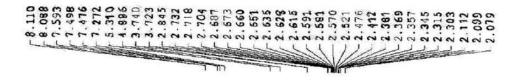


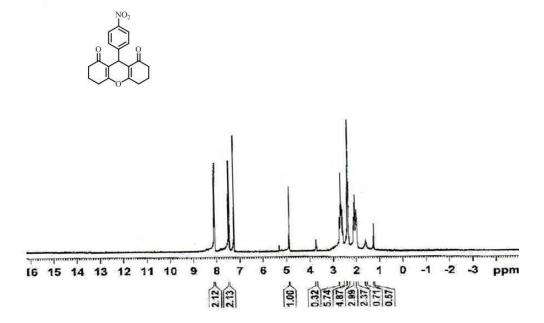
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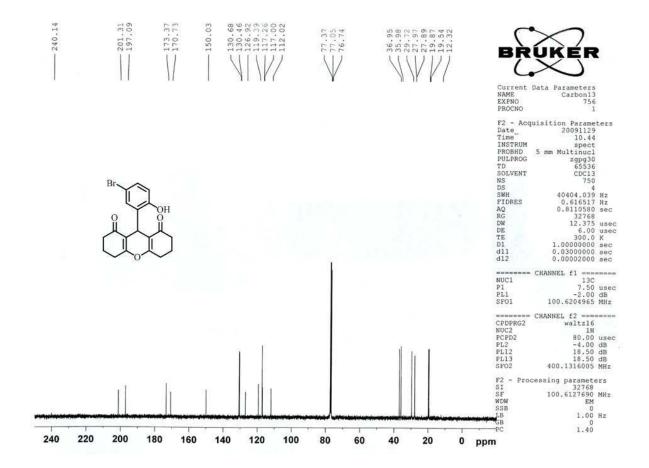


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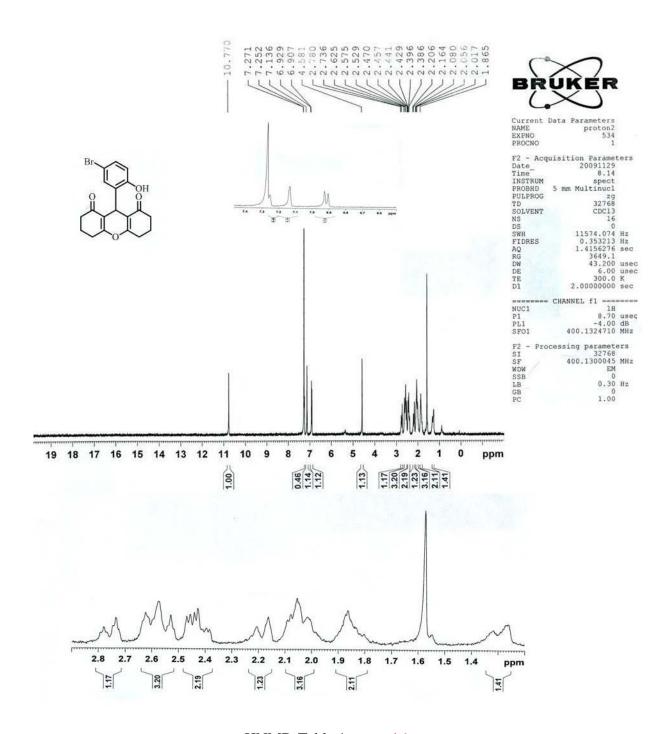




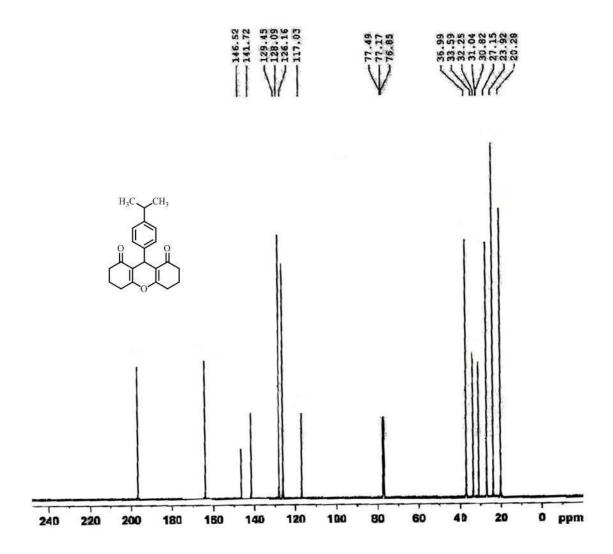
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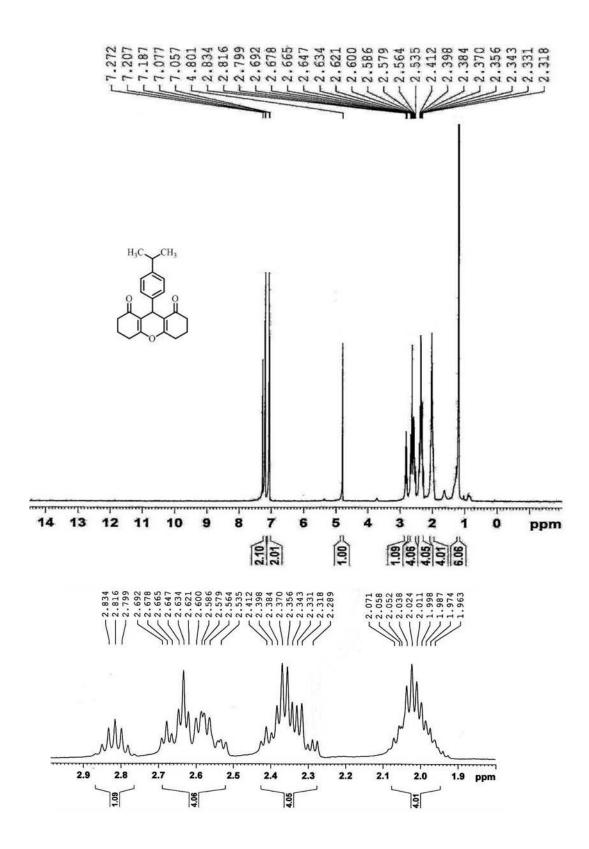
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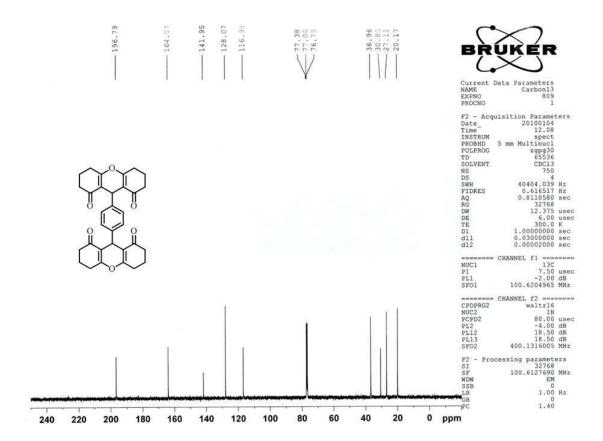
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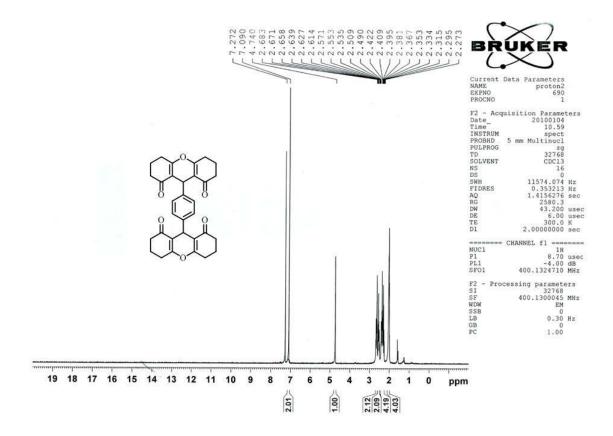
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HNMR-Table 1, entry 17



CNMR-Table 1, entry 18



HNMR-Table 1, entry 18