

# Supplementary Materials

## Synthesis and Biological Evaluation of Diversified Hamigeran B Analogs as Neuroinflammatory Inhibitors and Neurite Outgrowth Stimulators

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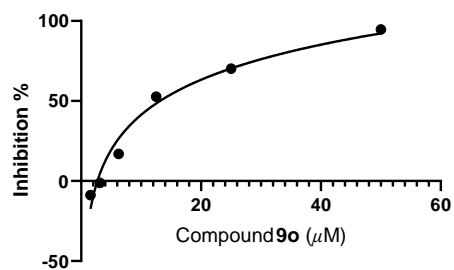
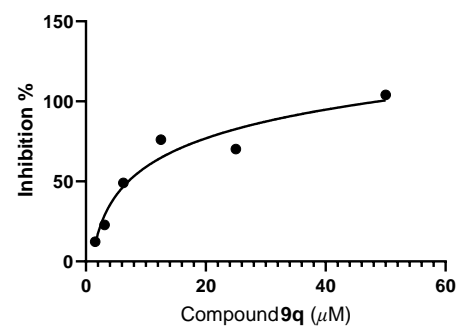
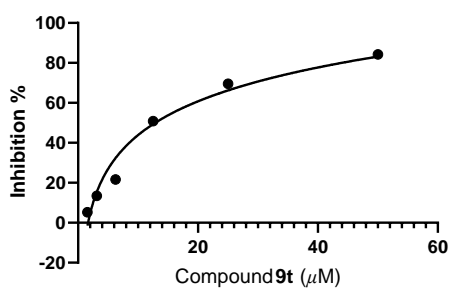
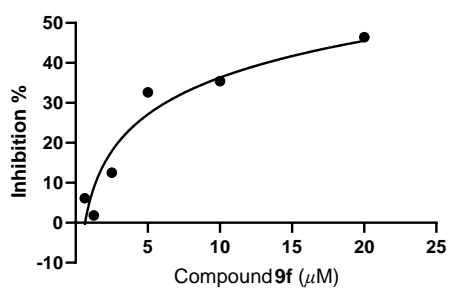
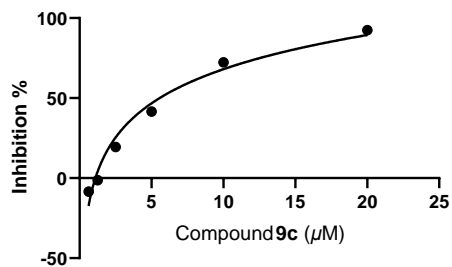
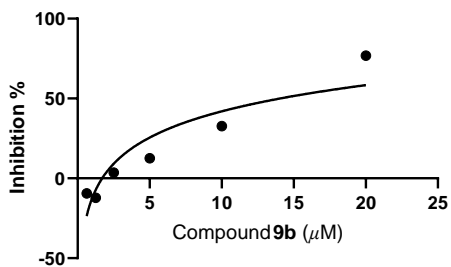
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# 1. The IC<sub>50</sub> concentration curves

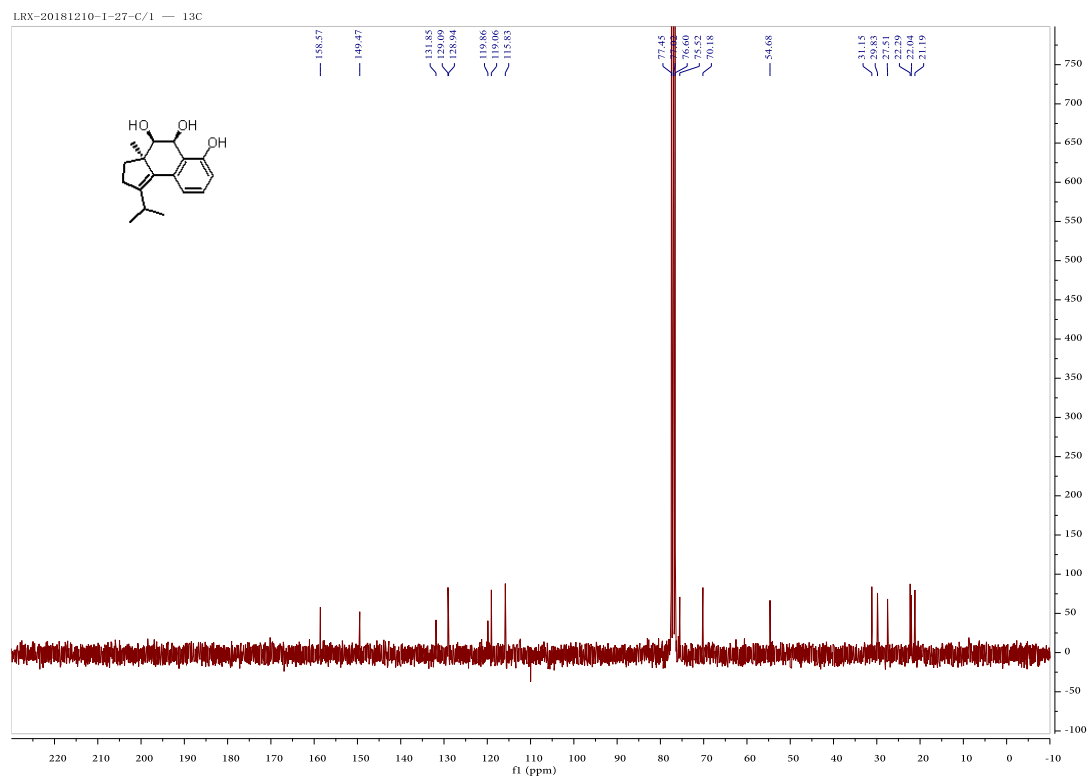
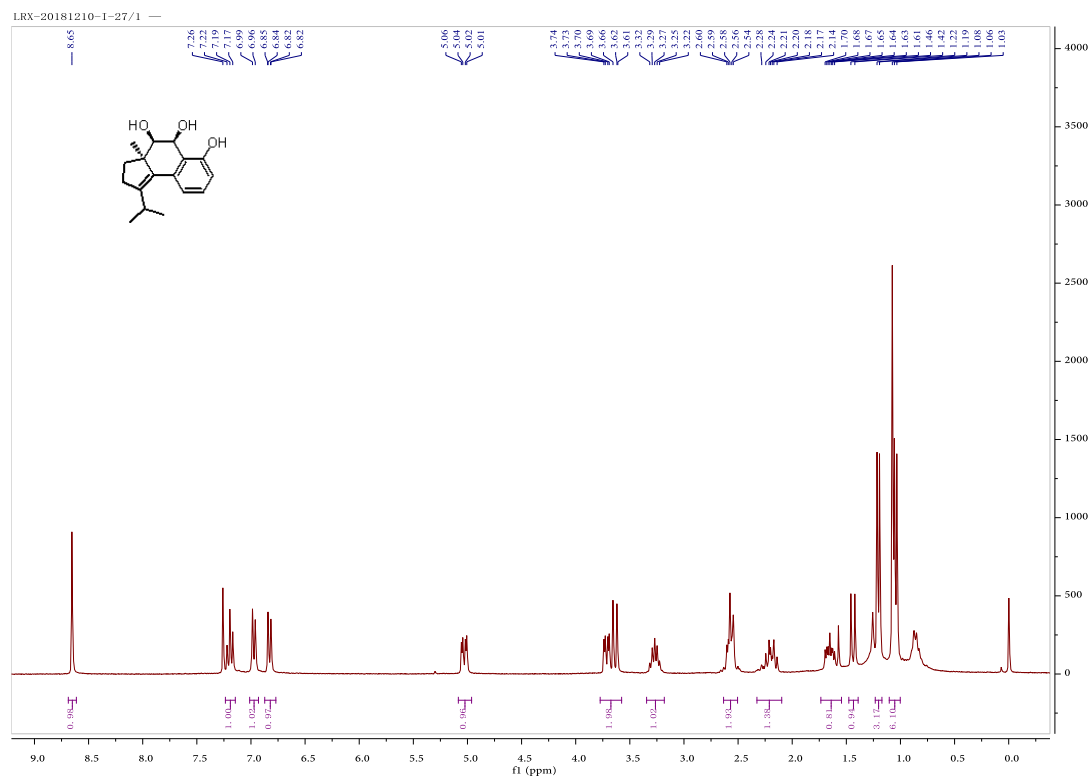


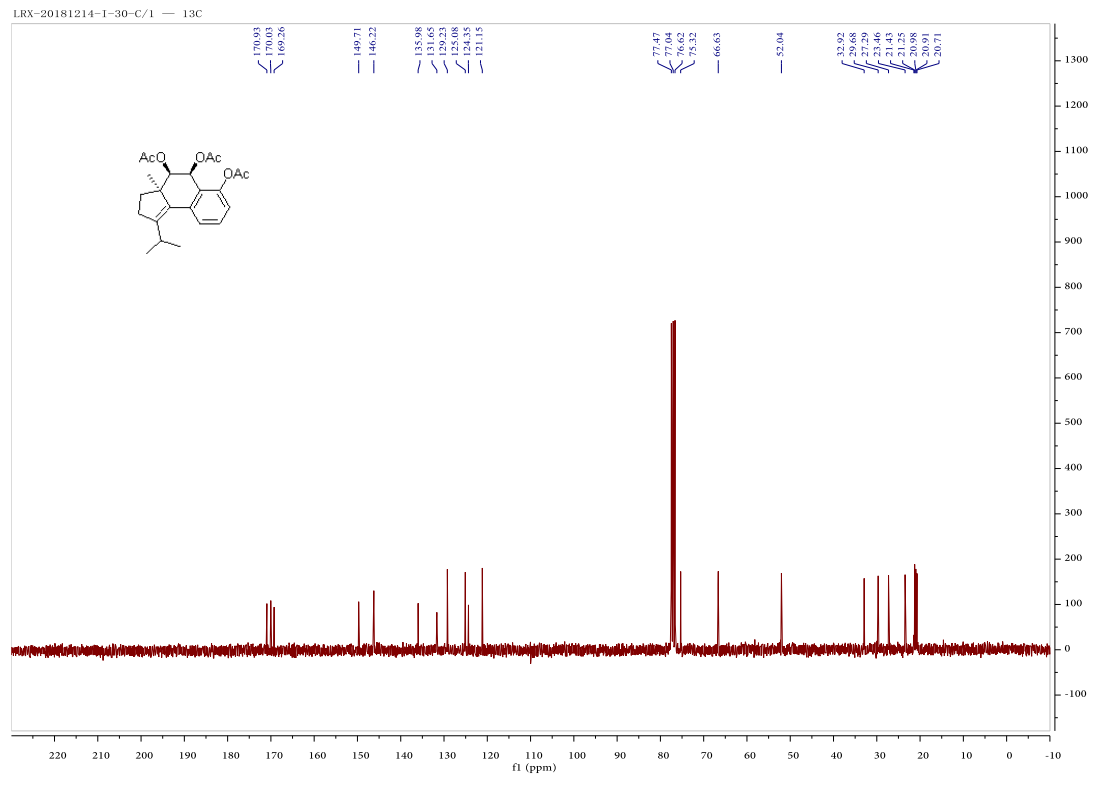
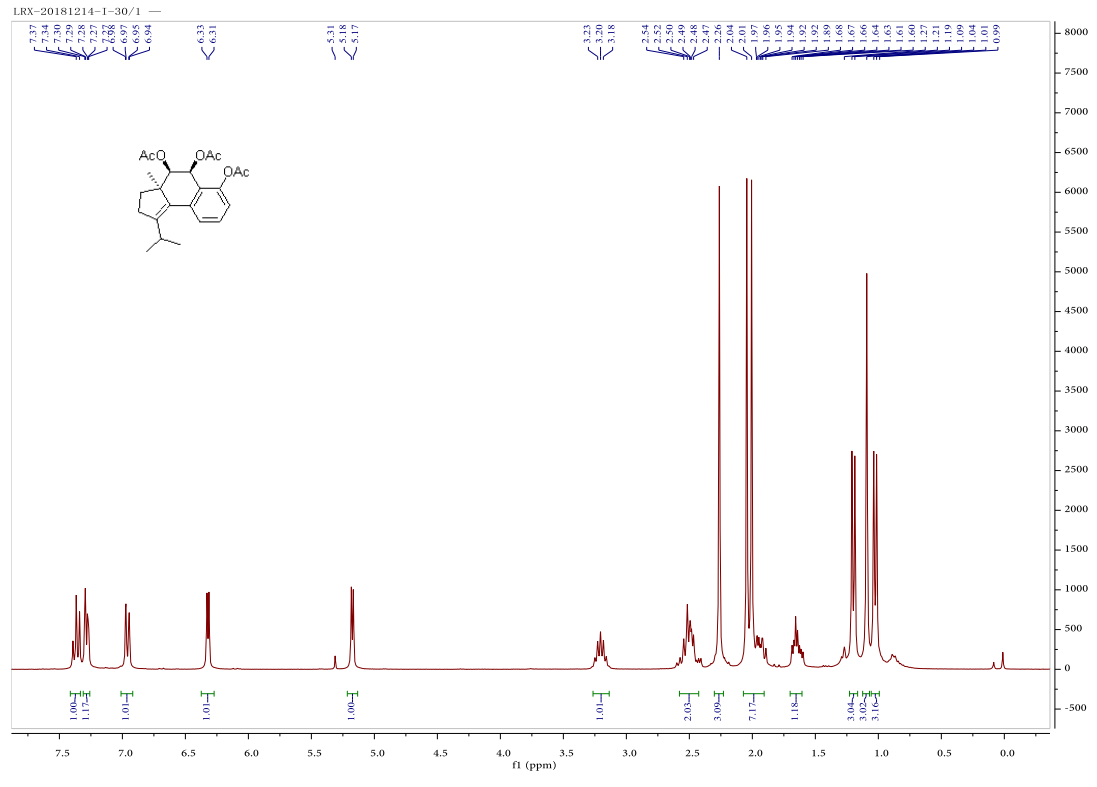
## 2. Date of biological activity

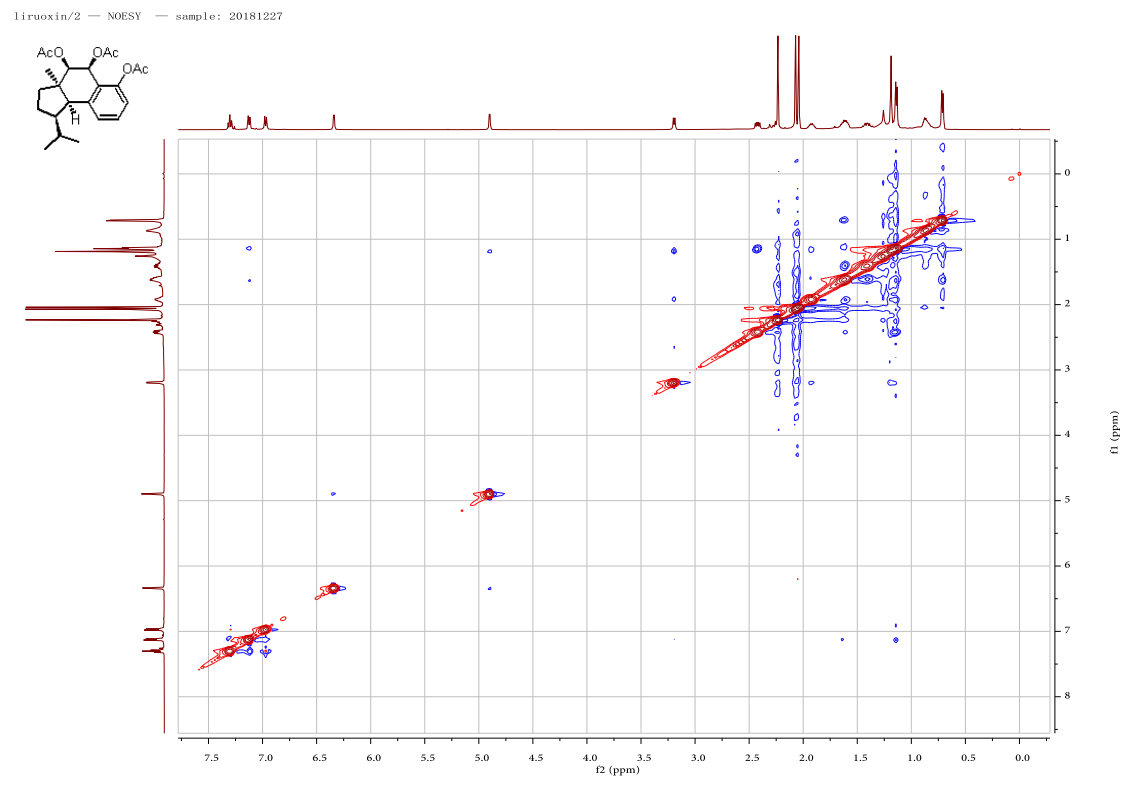
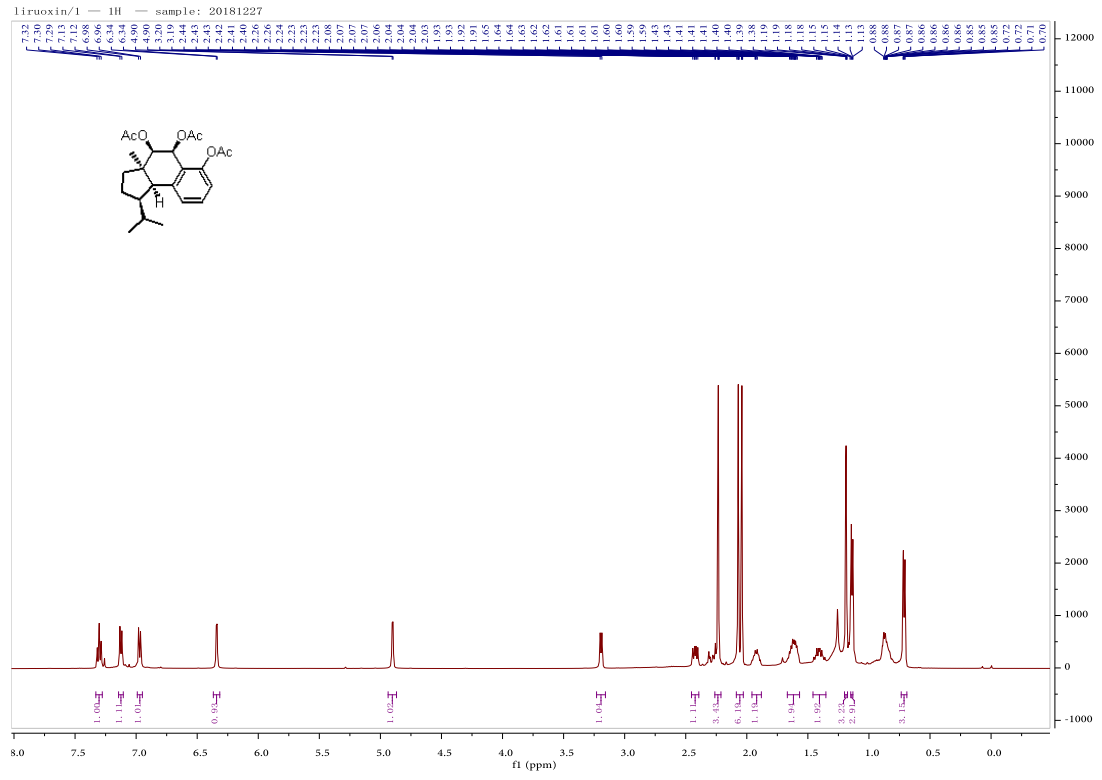
Table 1. Percentage of neurite-bearing PC12 cells and inhibitory effects in BV-2 cells of compounds

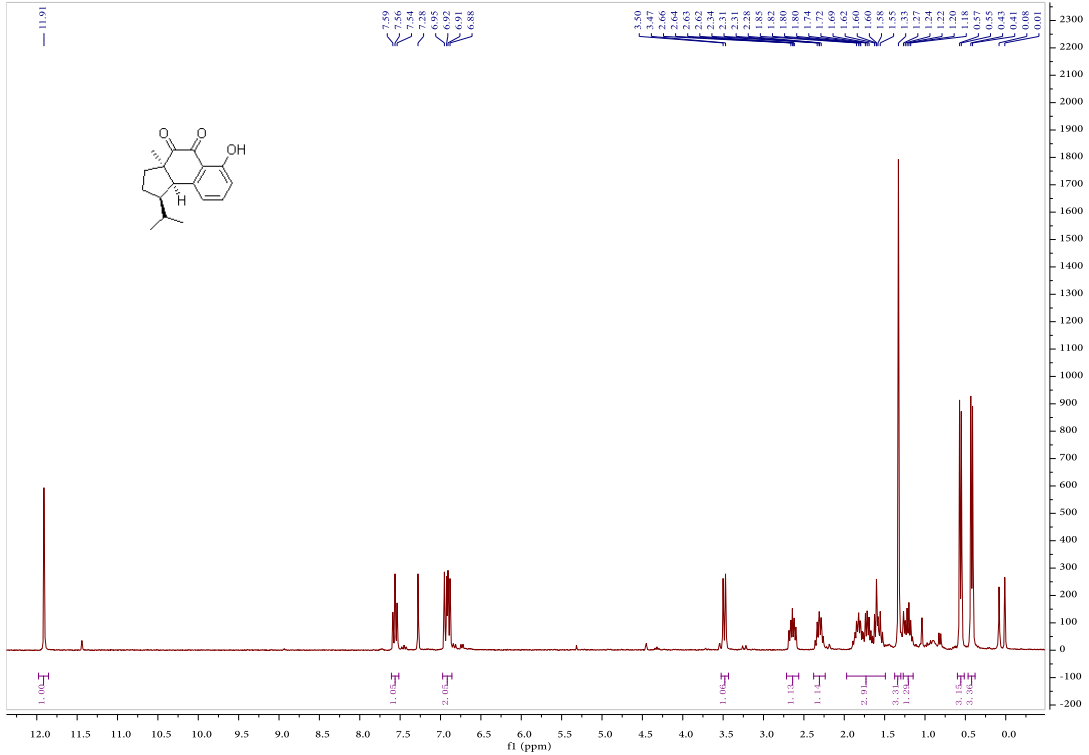
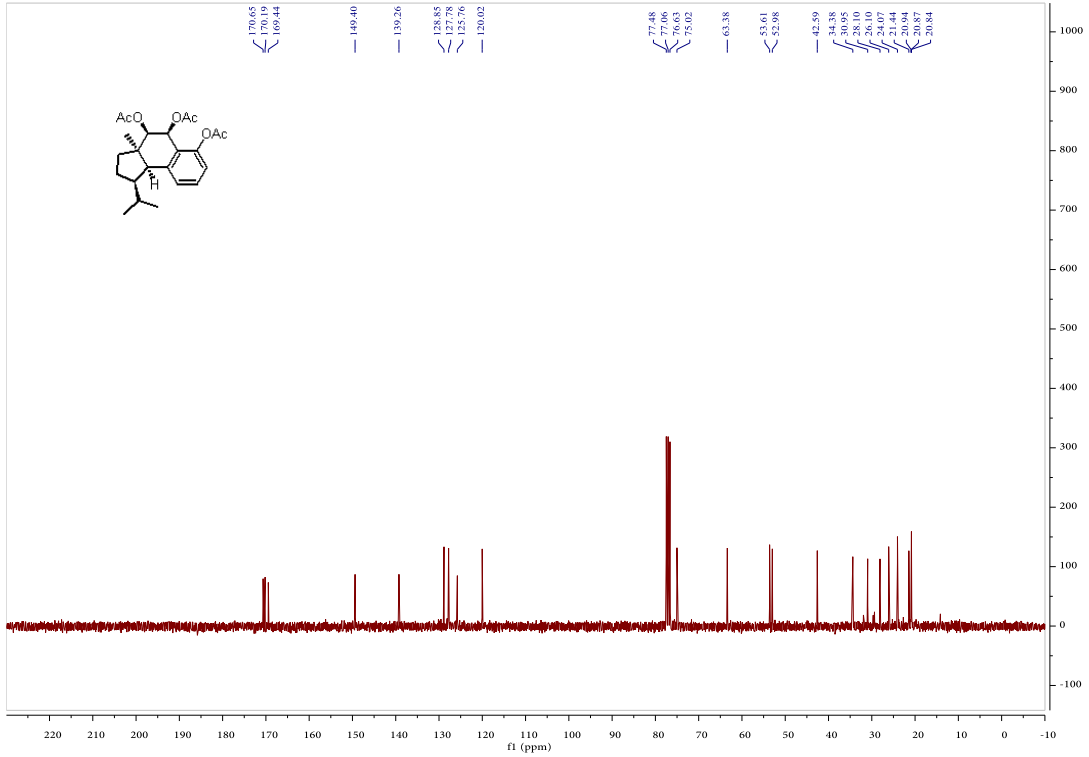
Compounds	Neurite-bearing cells (%)	Inflammatory inhibition (%)
NGF	9.35	--
9a	15.94	26.16
9b	11.85	41.86
9c	8.55	45.35
9d	5.56	17.44
9e	6.30	-38.37
9f	12.64	43.60
9g	11.22	10.47
9h	14.99	-45.45
9i	8.53	31.40
9j	10.60	10.47
9k	7.75	-27.91
9l	7.35	-19.19
9m	10.27	10.47
9n	10.12	38.37
9o	24.23	73.38
9p	12.83	24.42
9q	16.68	56.83
9r	11.22	-29.93
9s	9.51	-0.69
9t	12.95	61.38
9u	8.24	-70.90
9v	11.45	22.62
9w	12.09	29.38

### 3. NMR Spectra

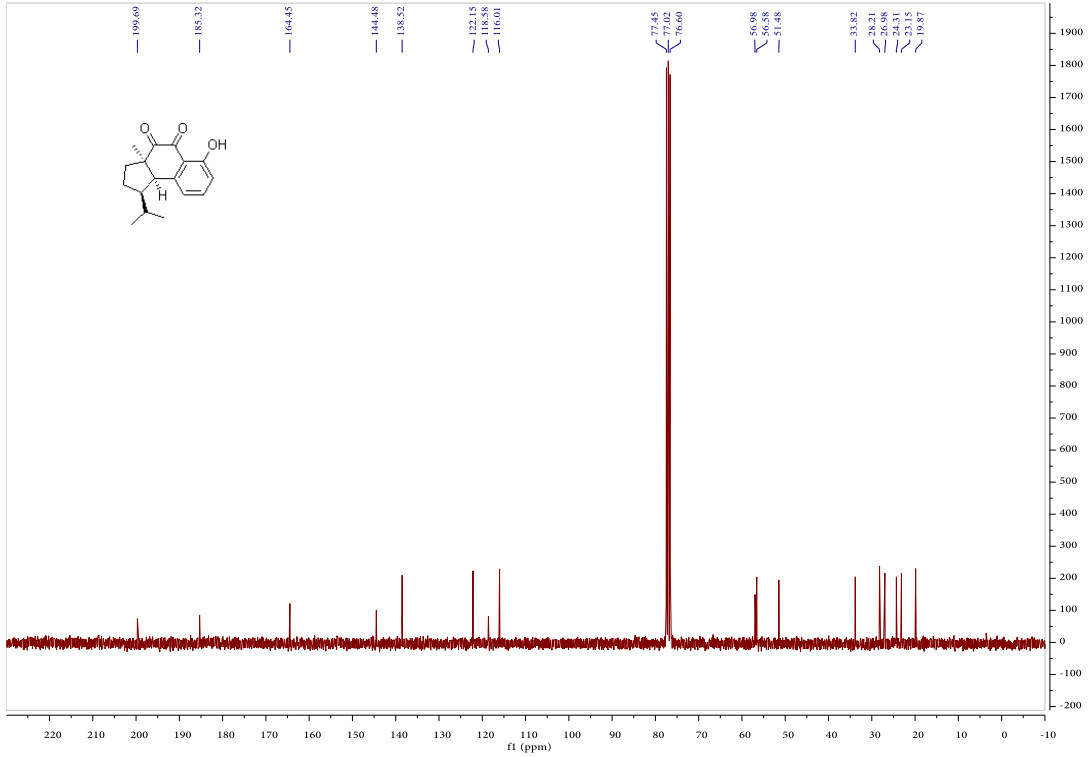




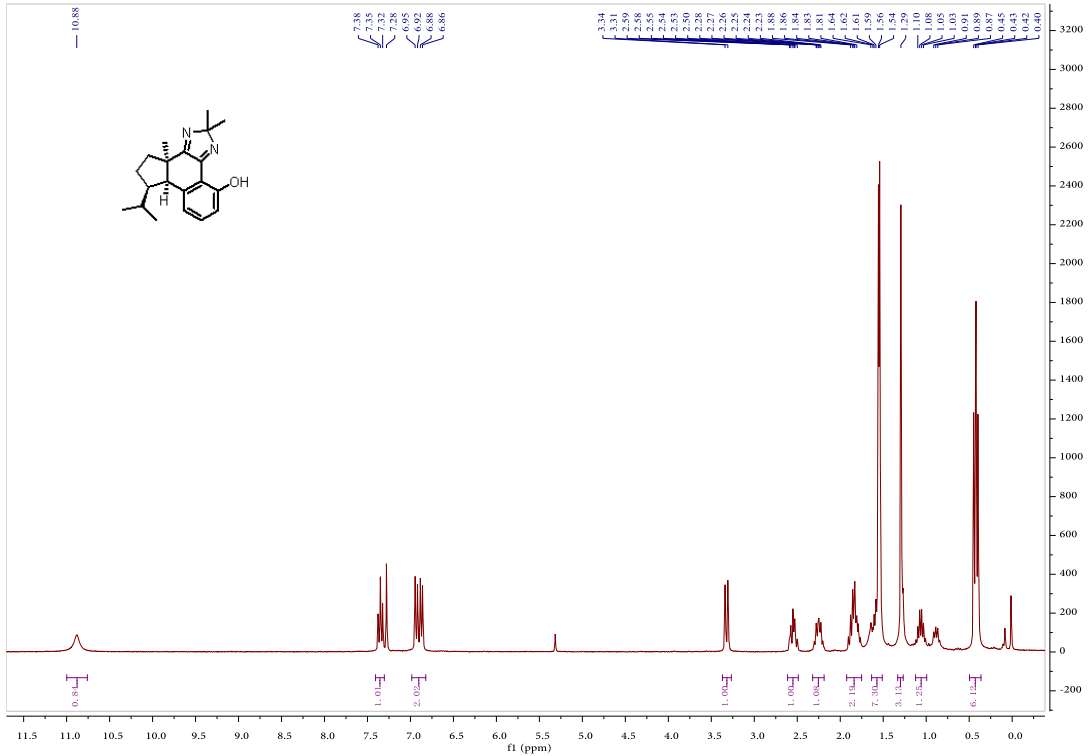




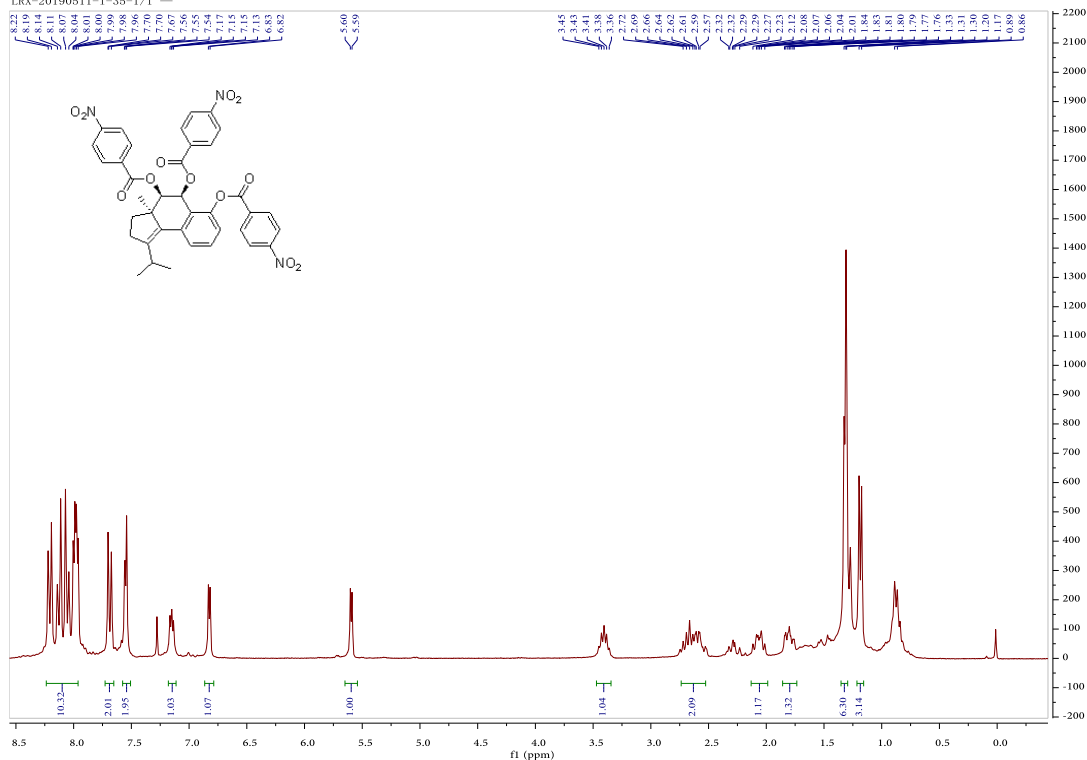
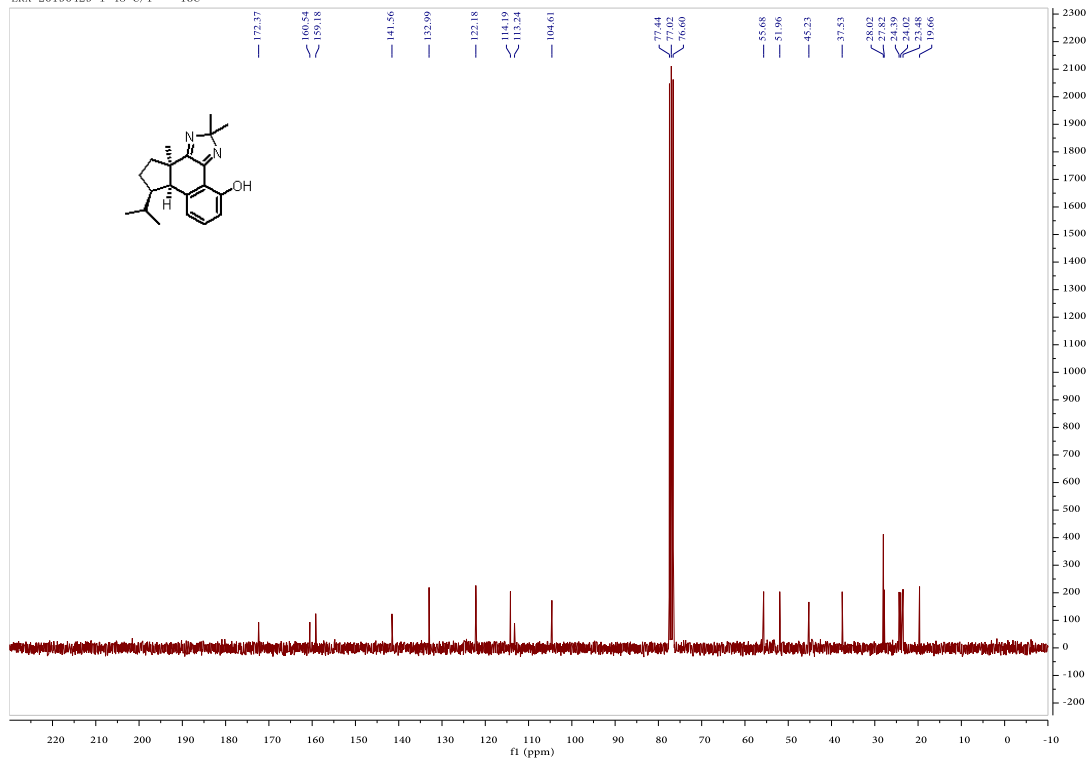
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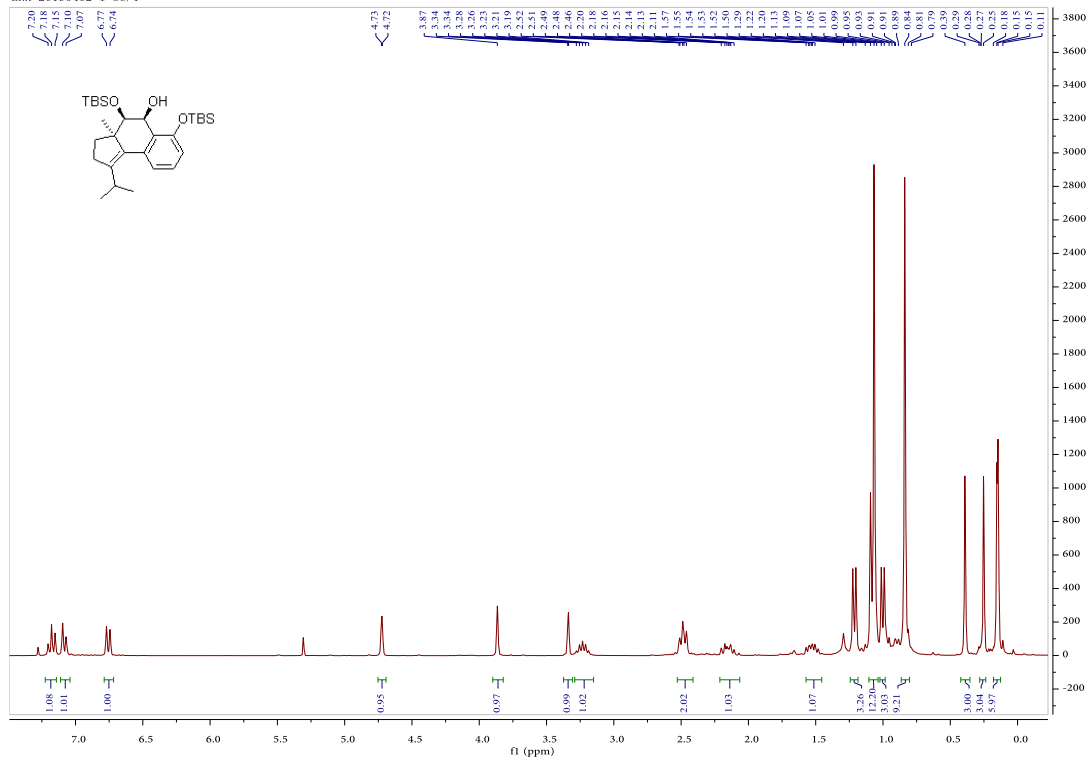
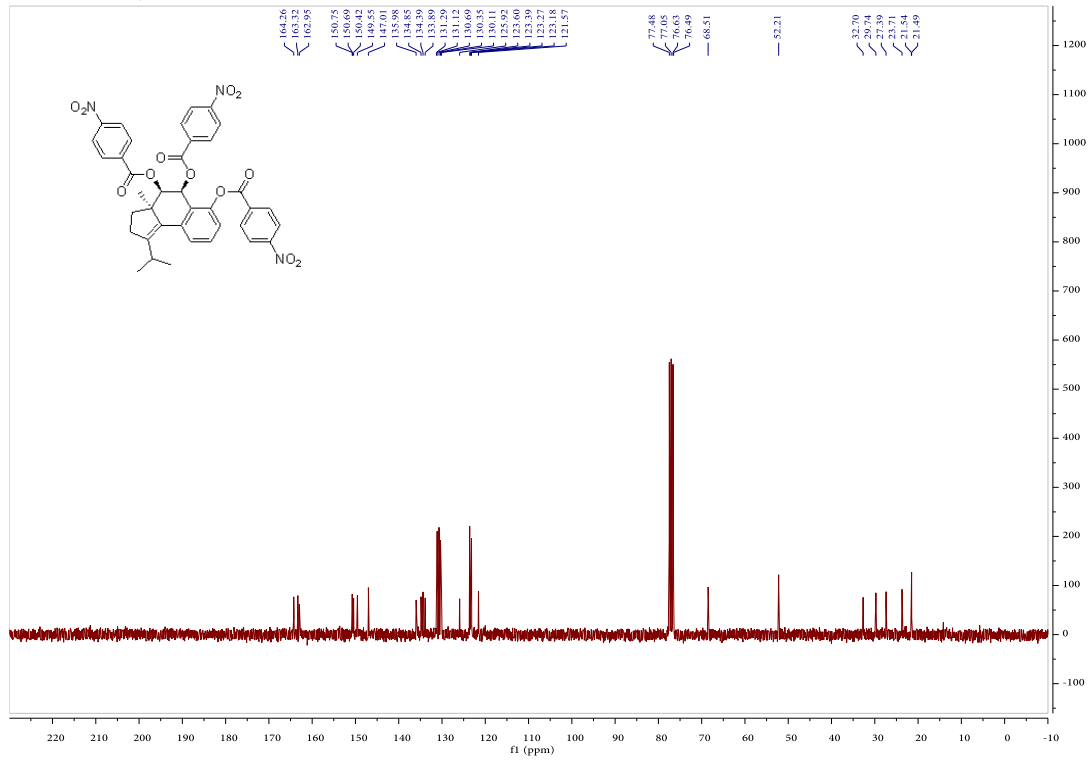


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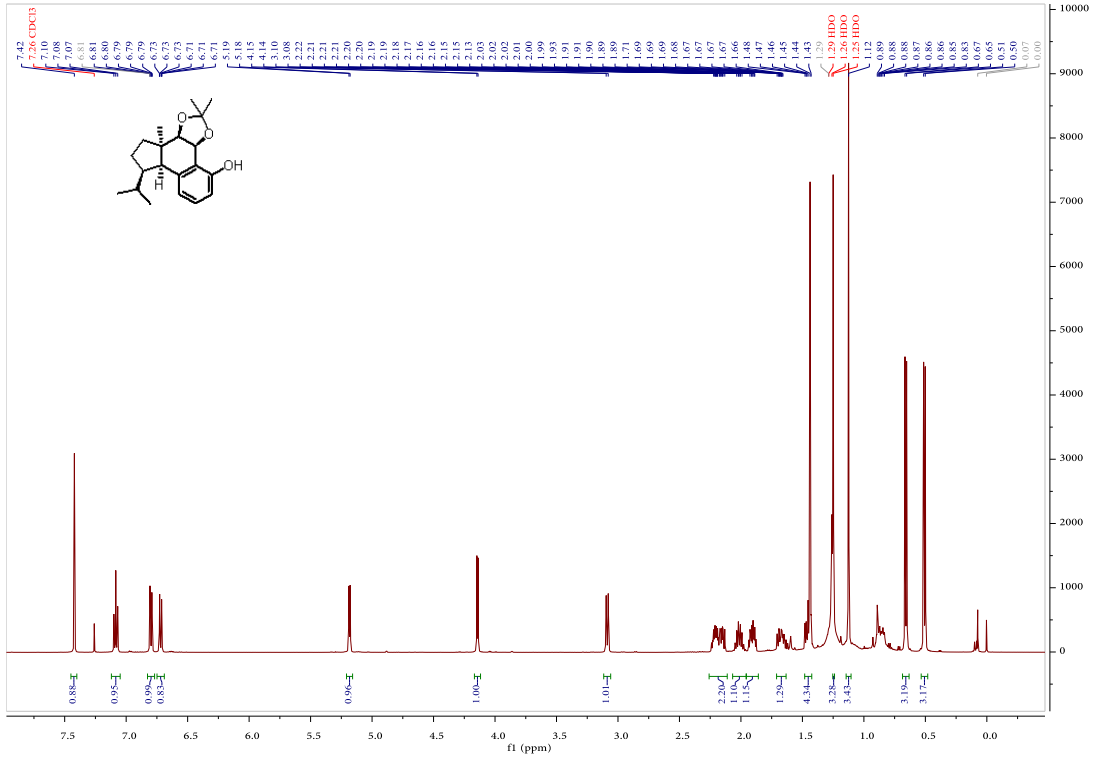
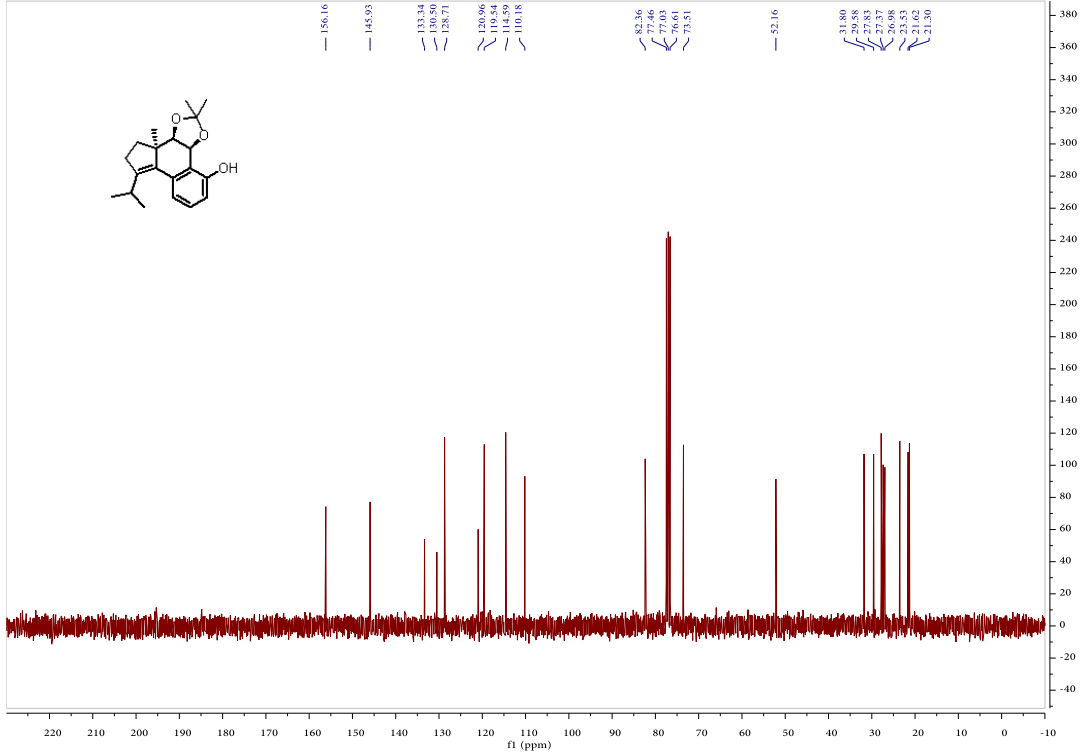




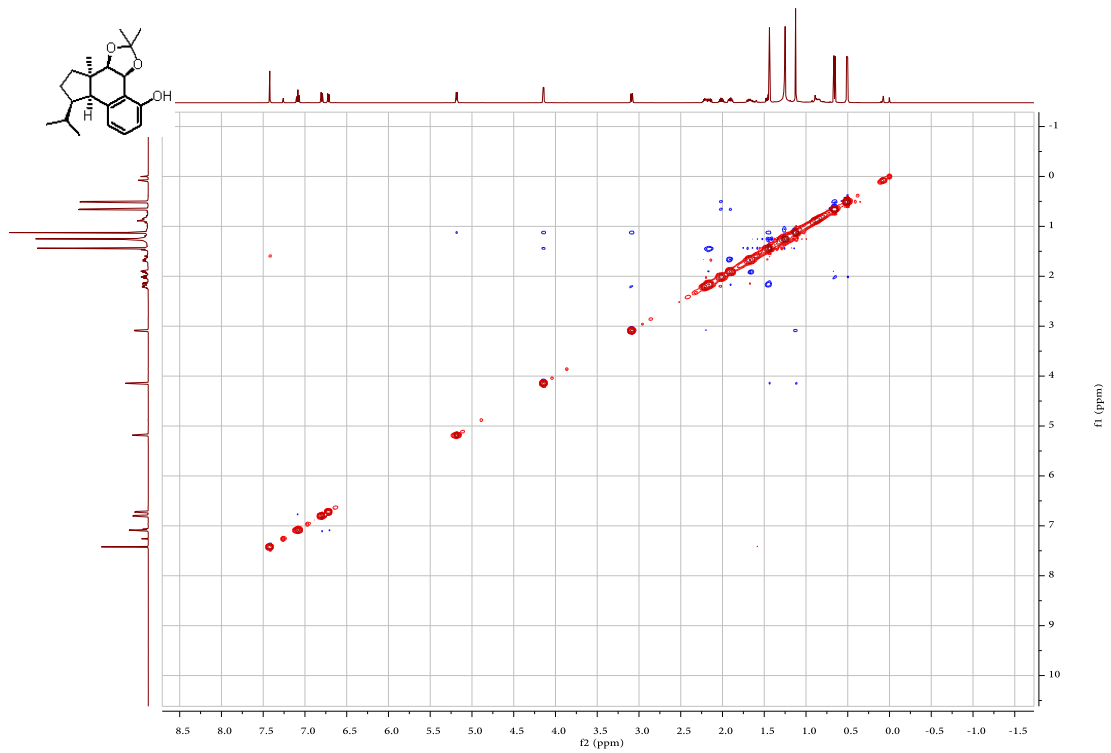




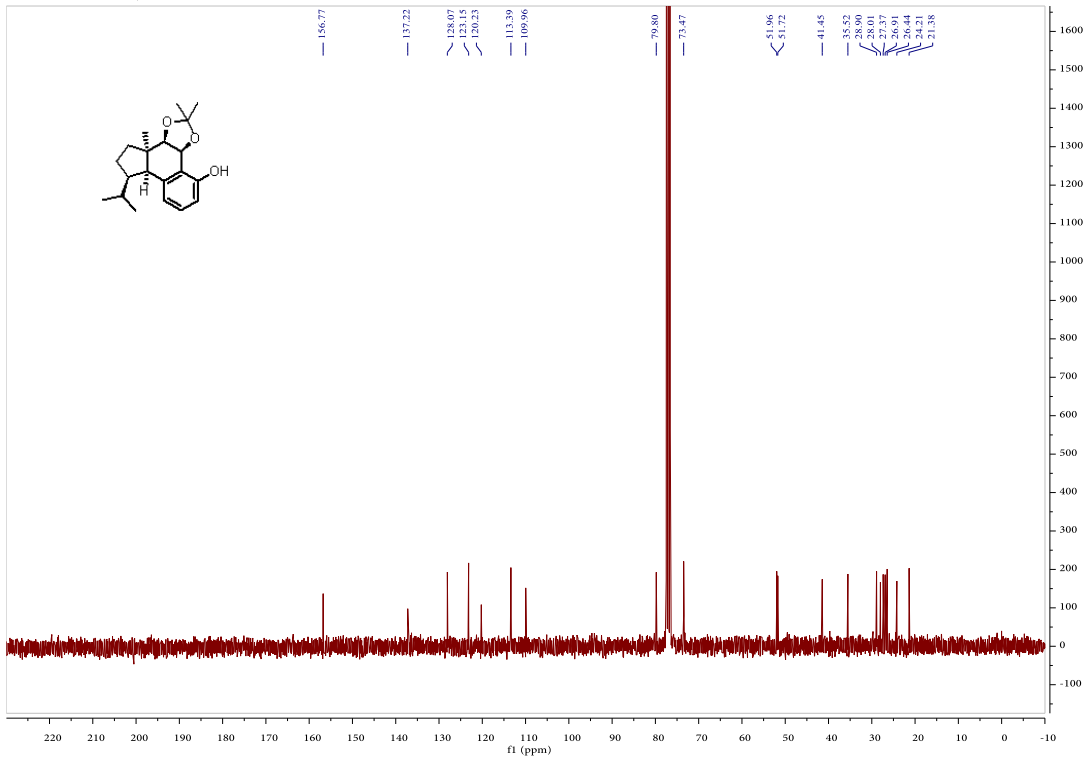


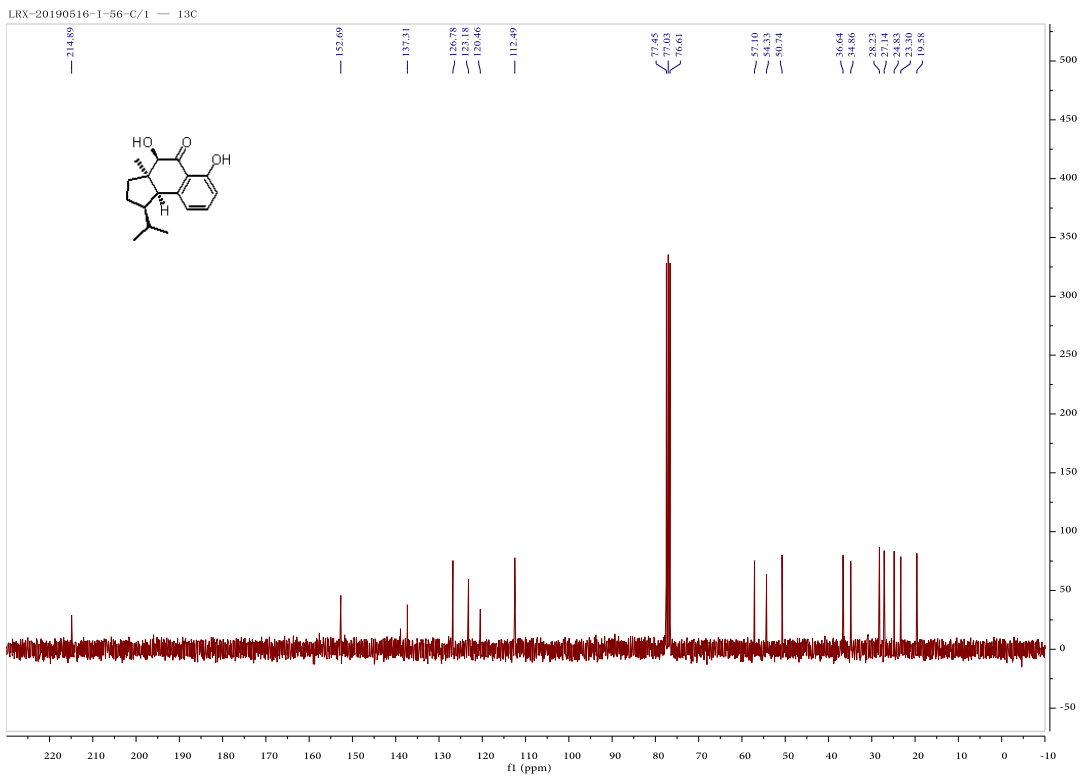
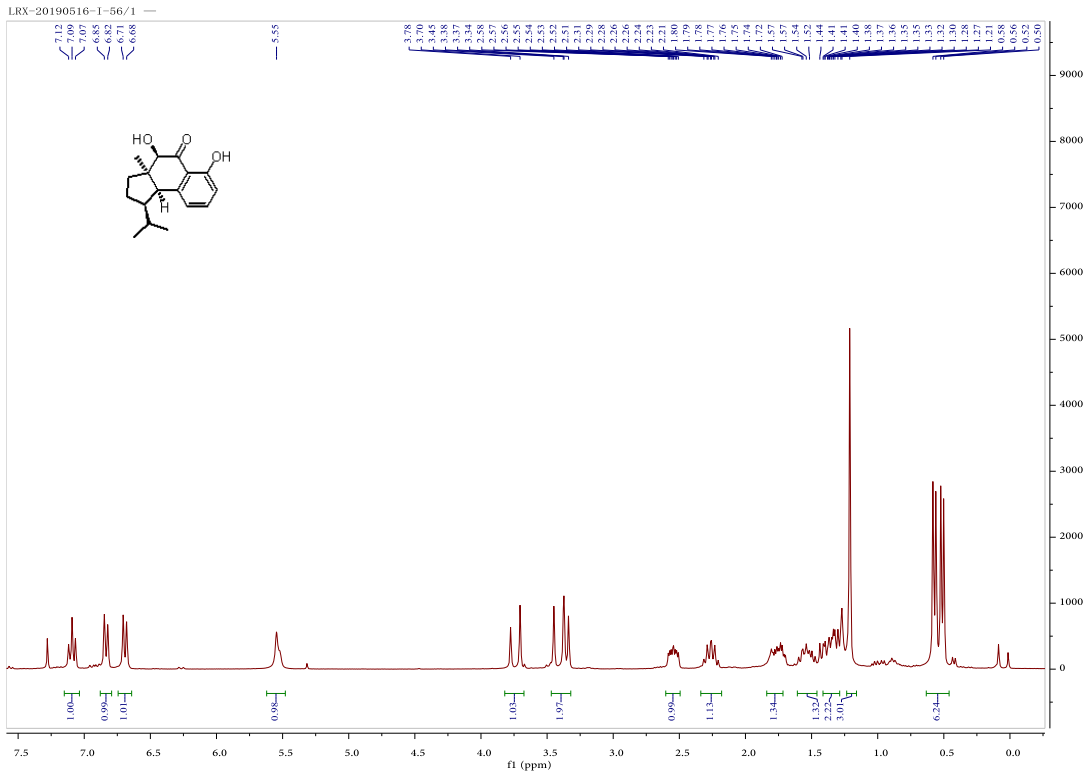


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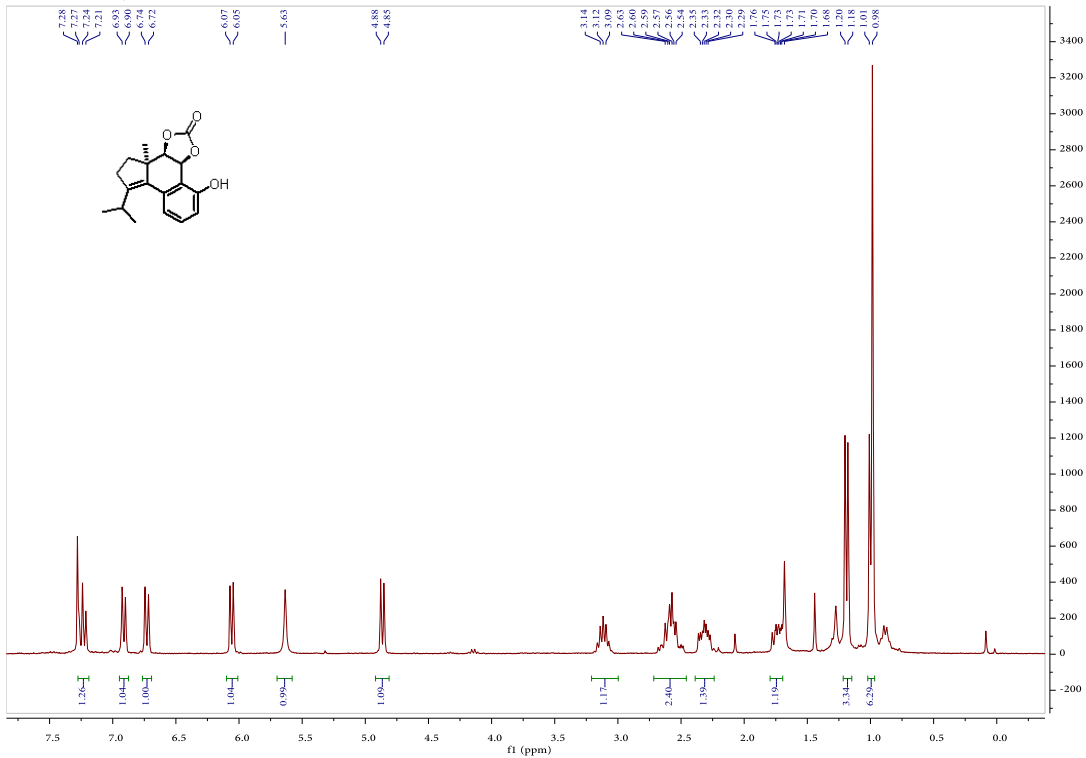


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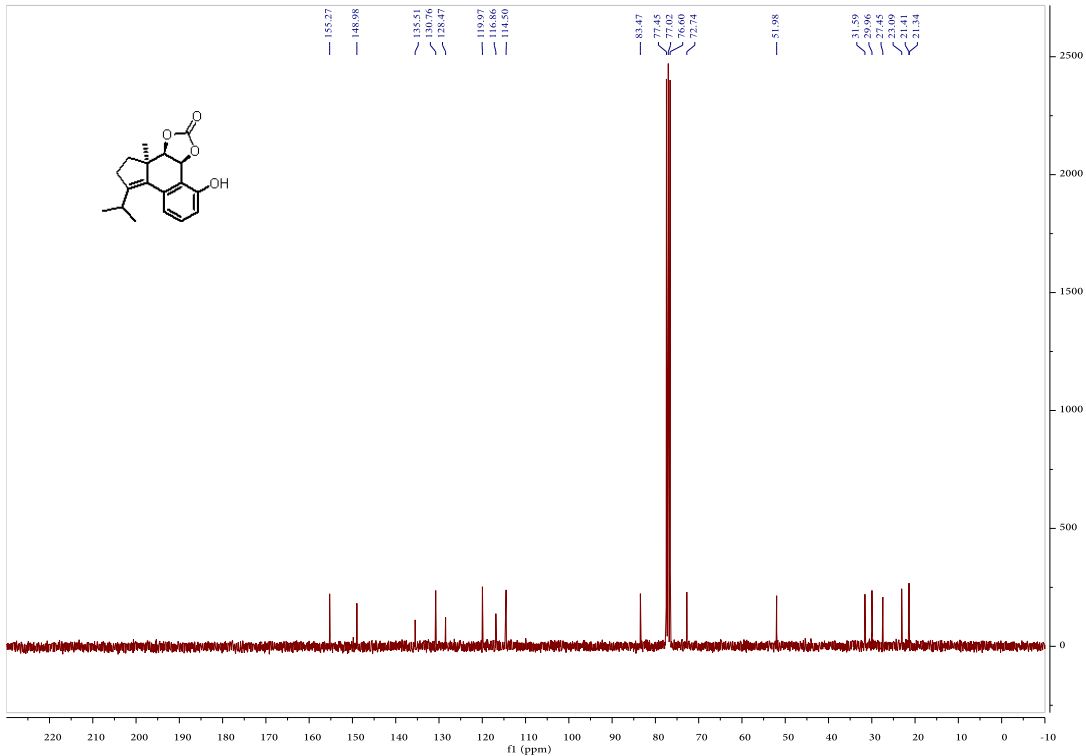


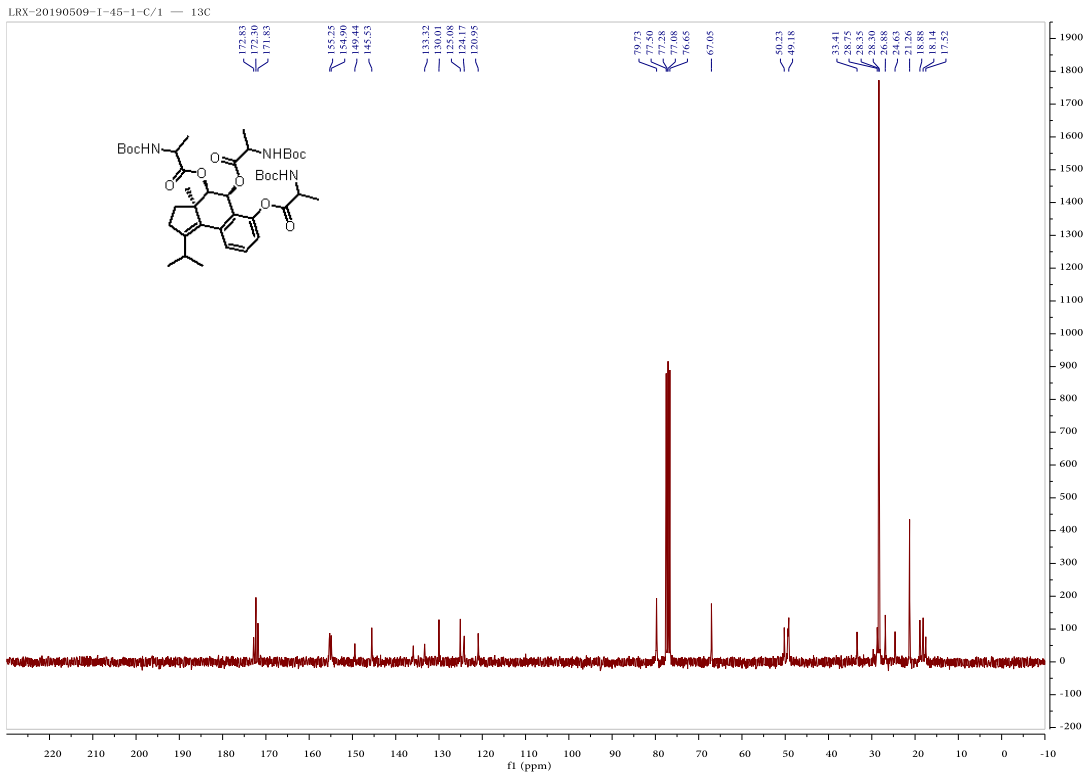
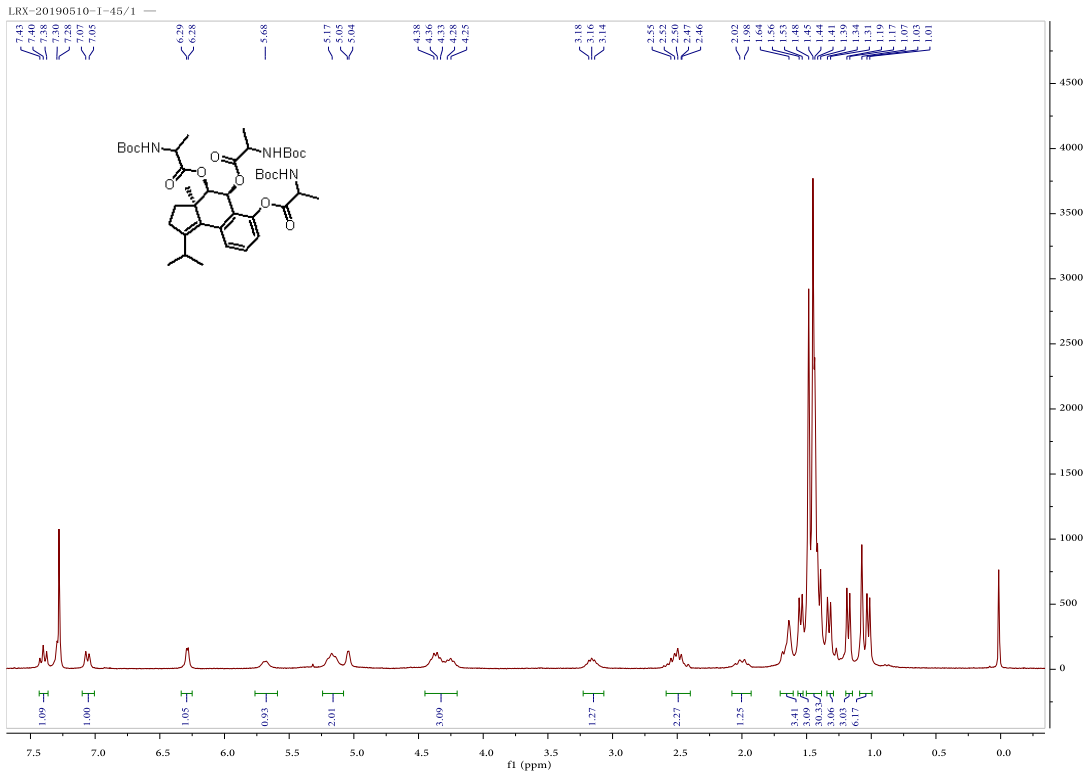


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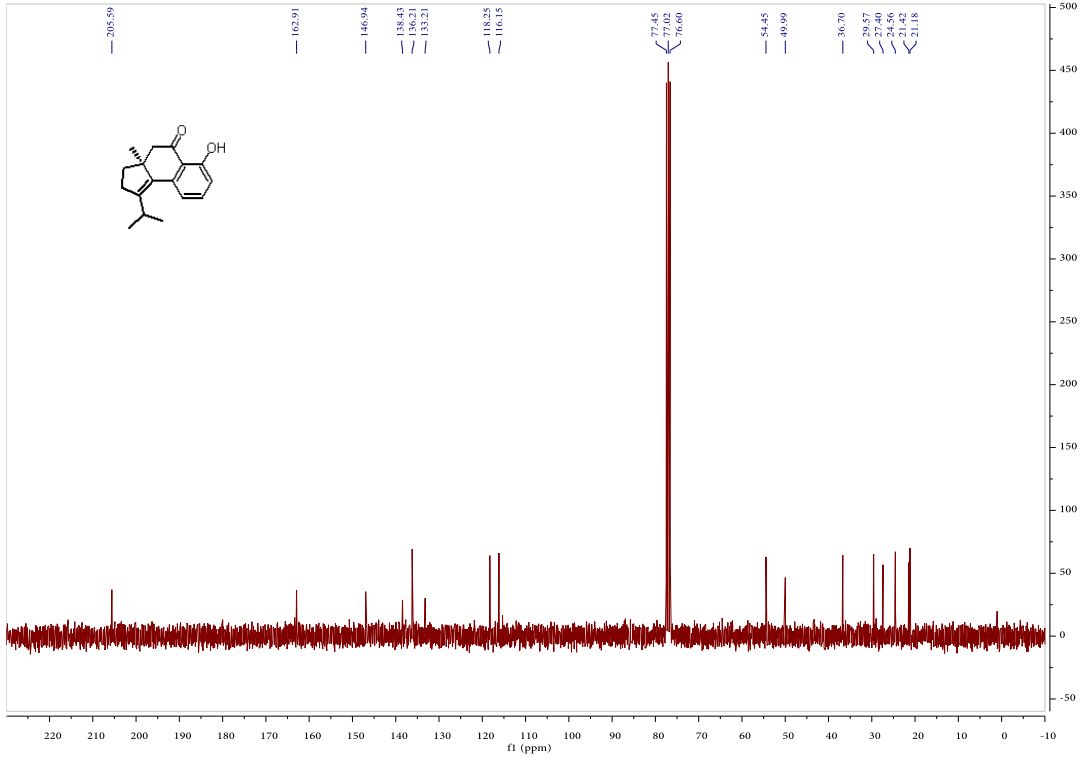
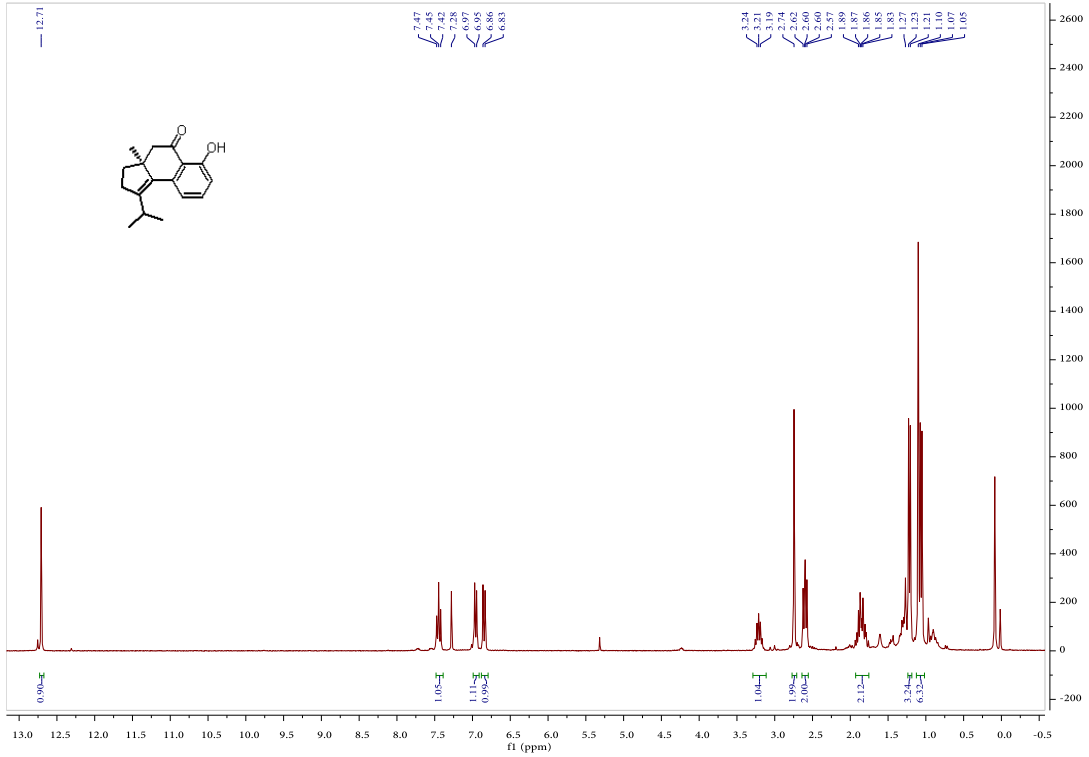
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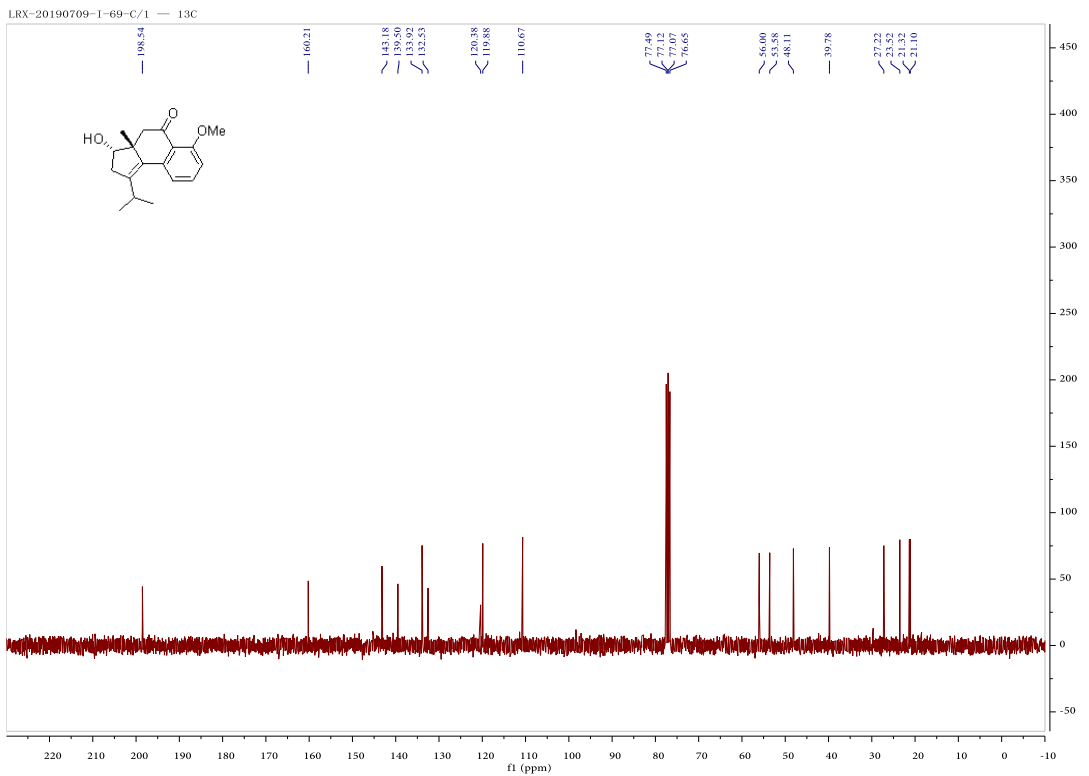
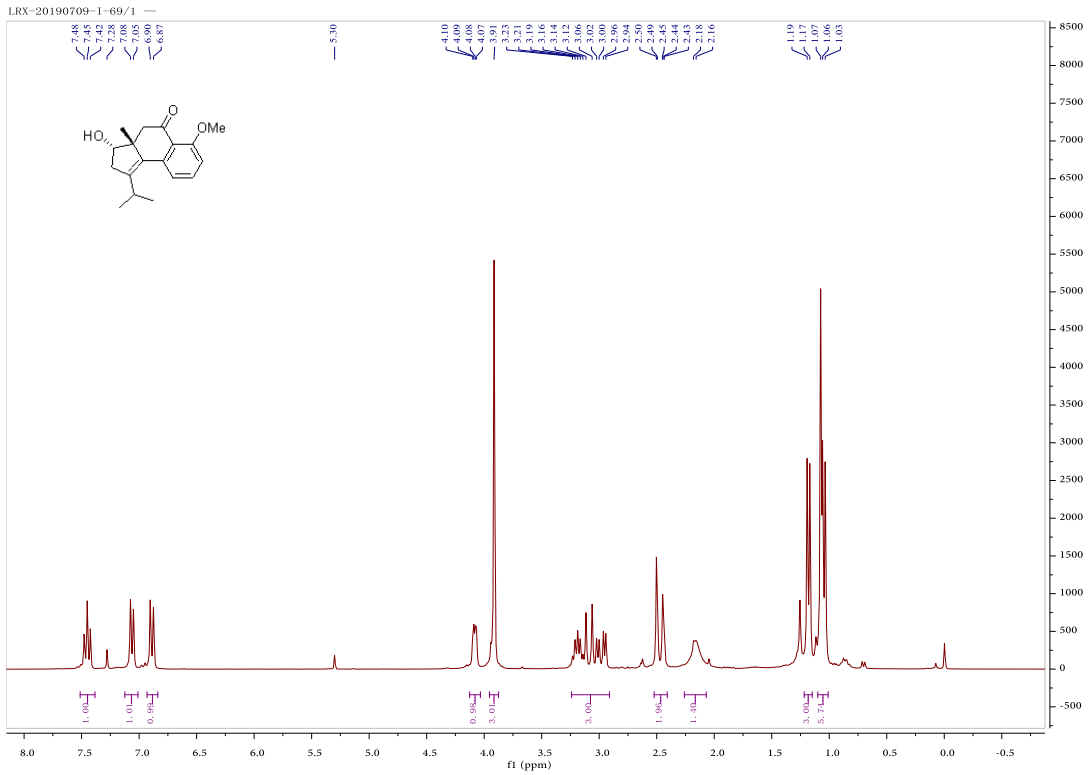


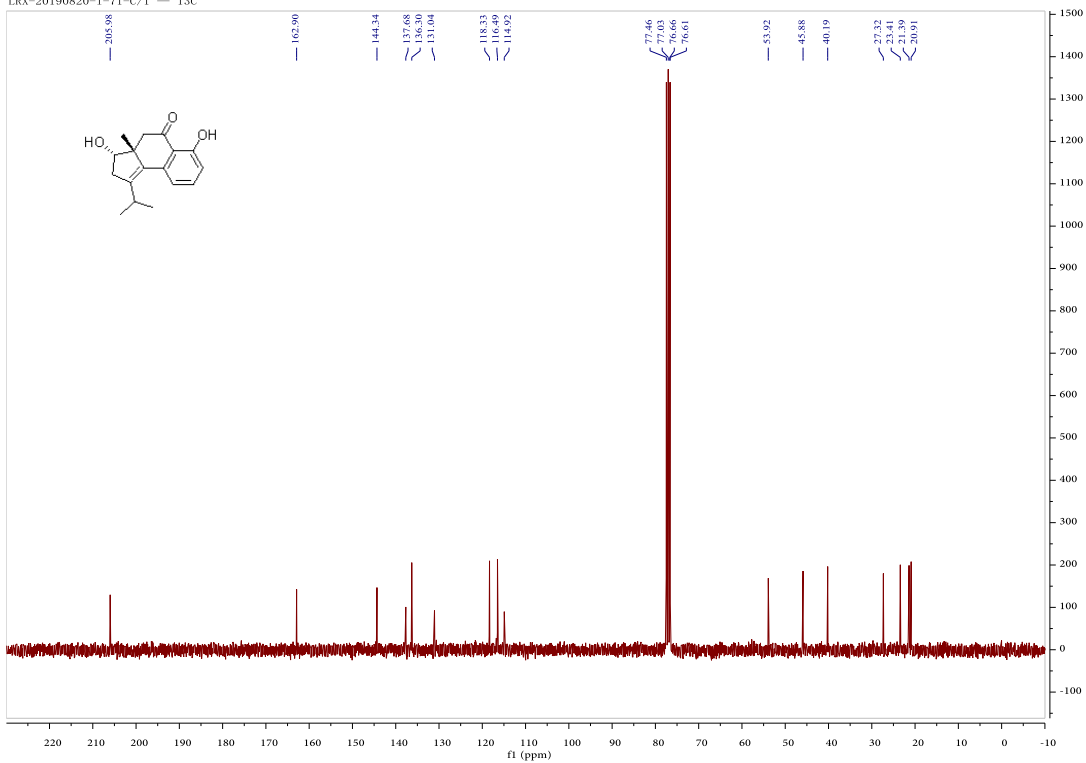
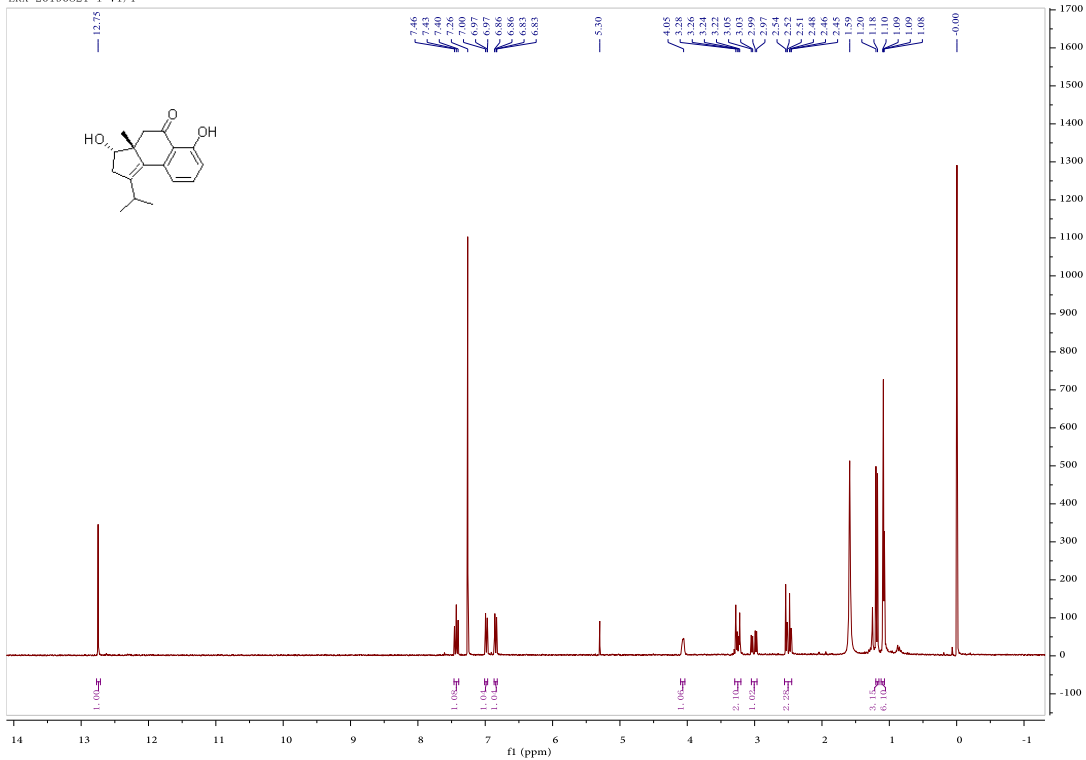




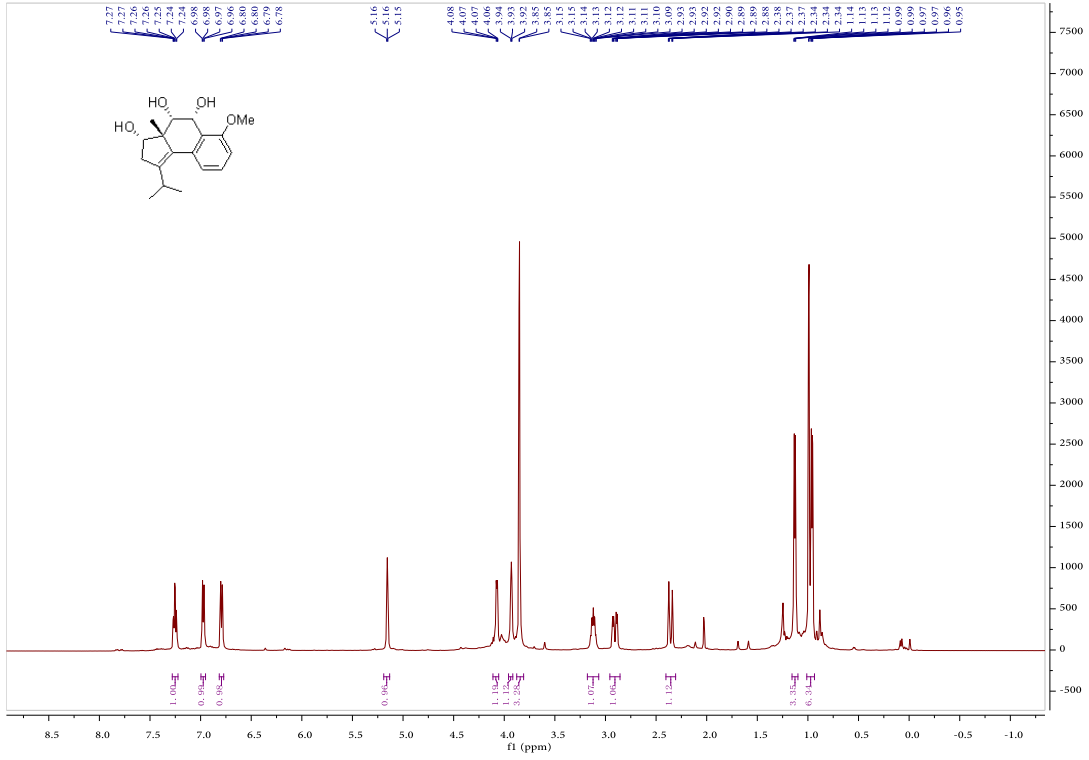




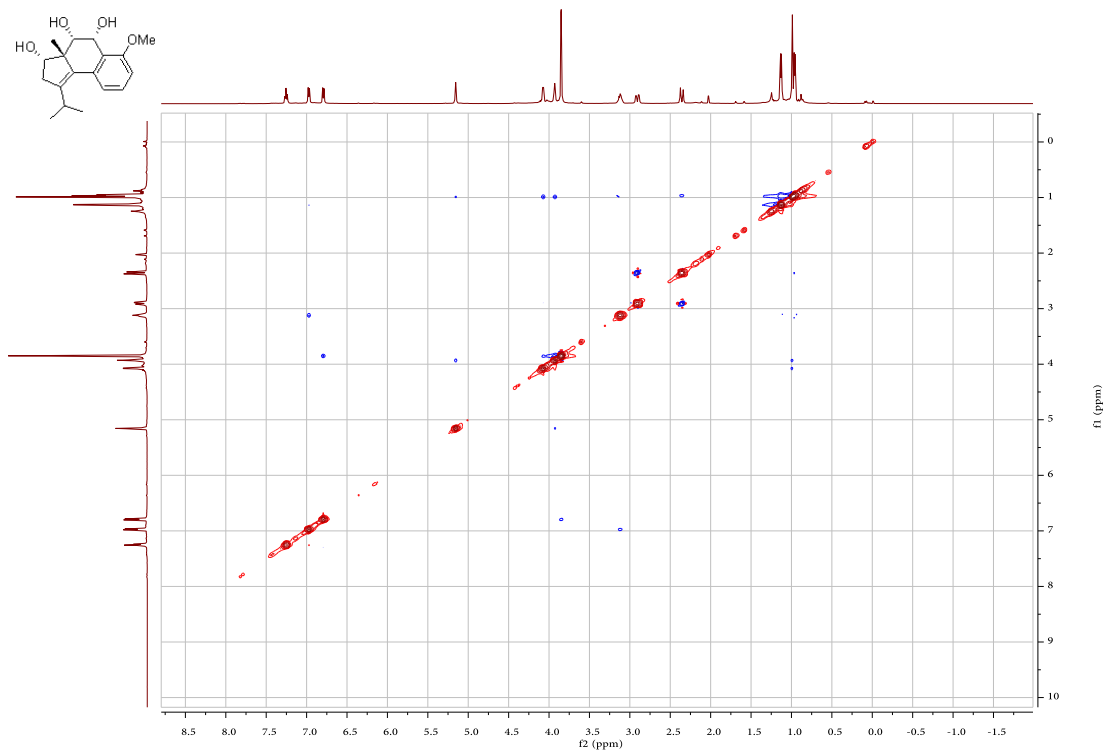


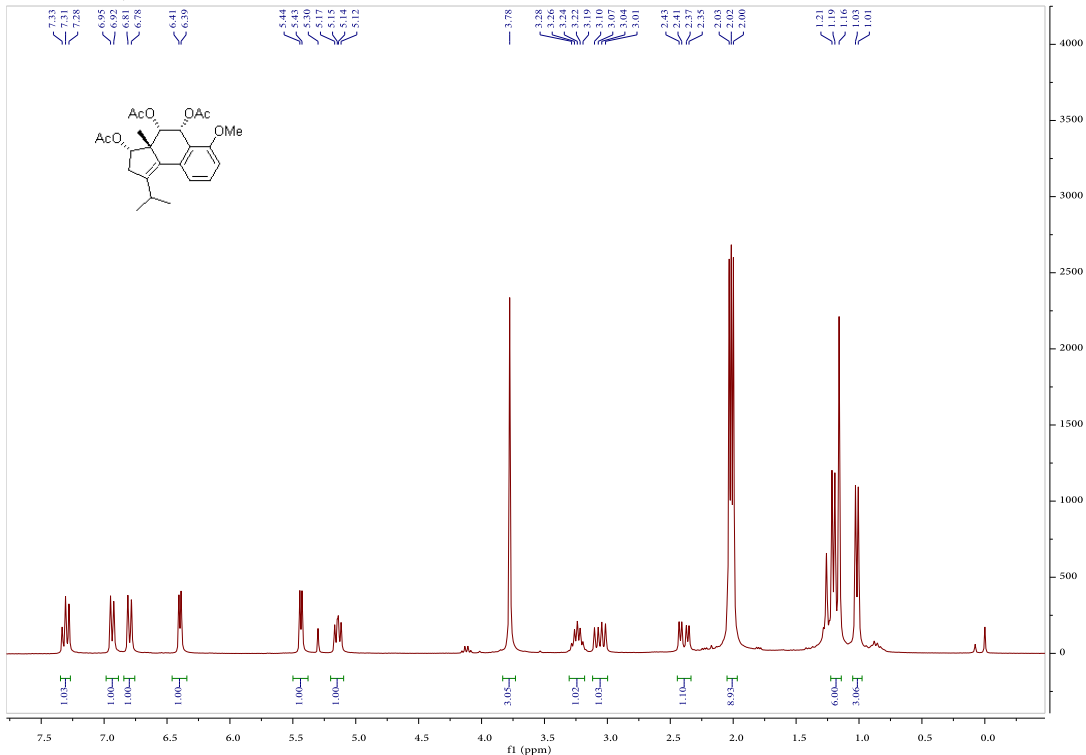
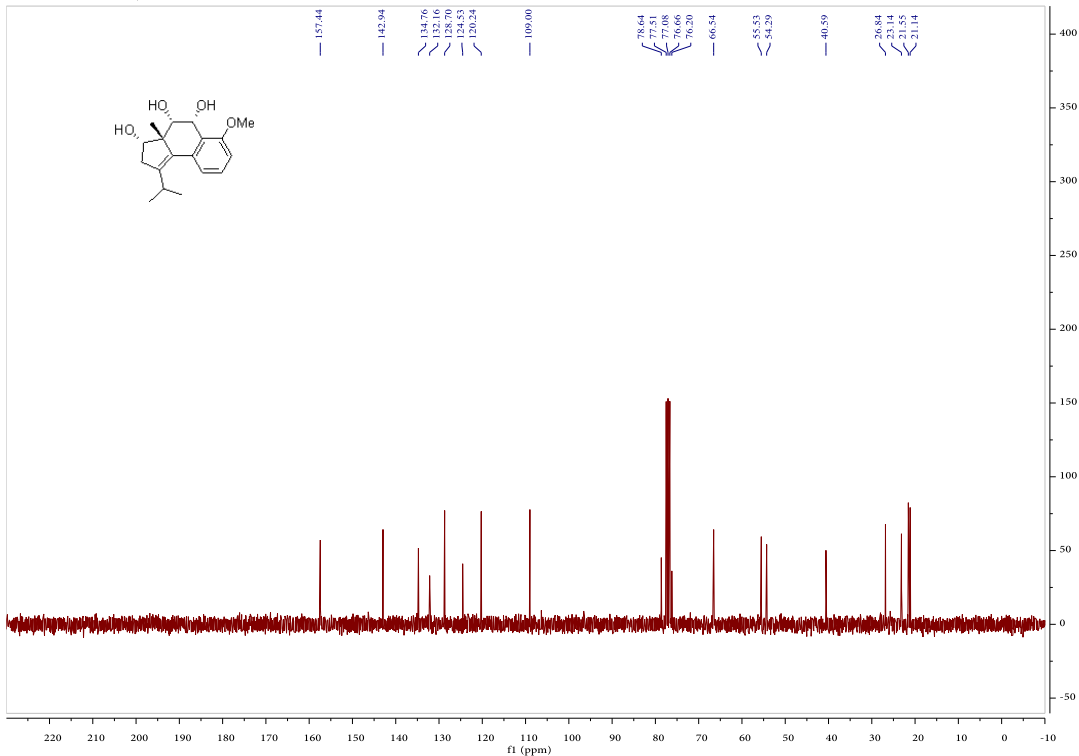


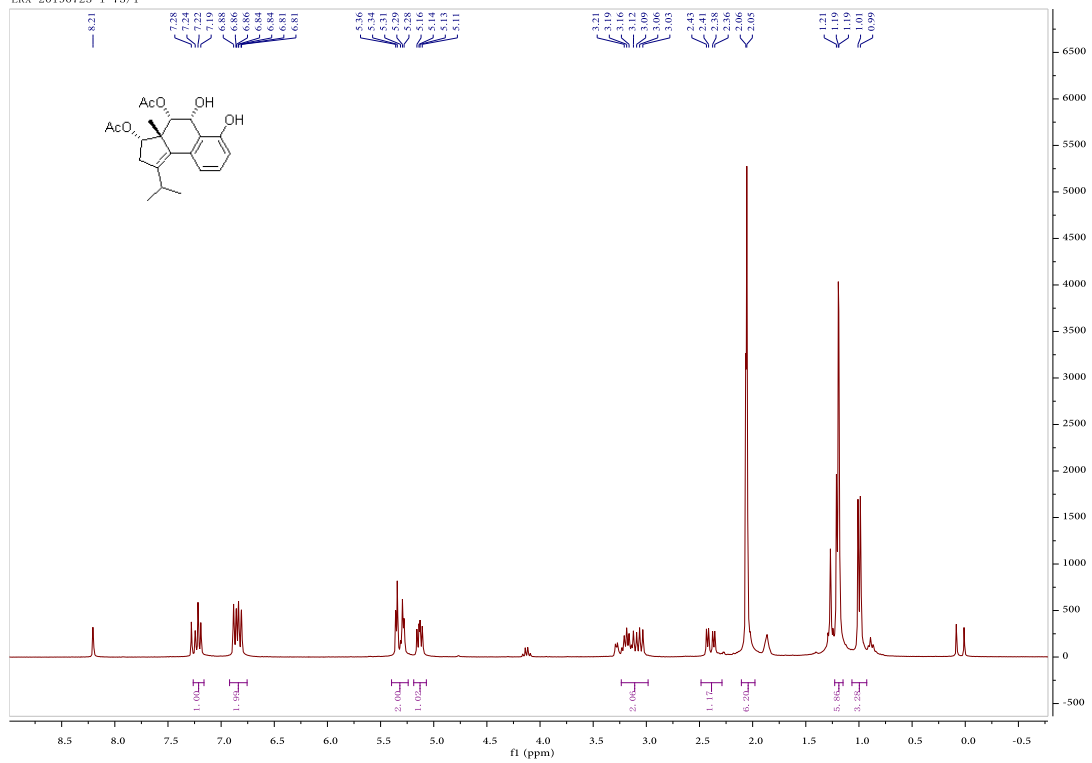
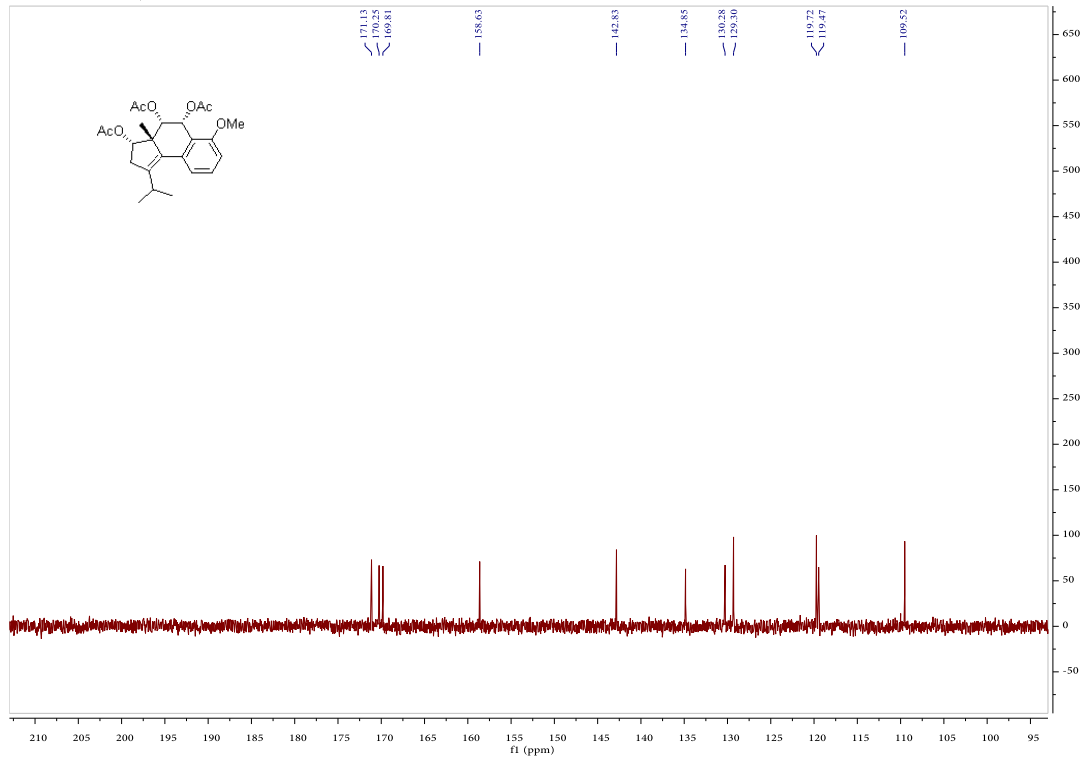
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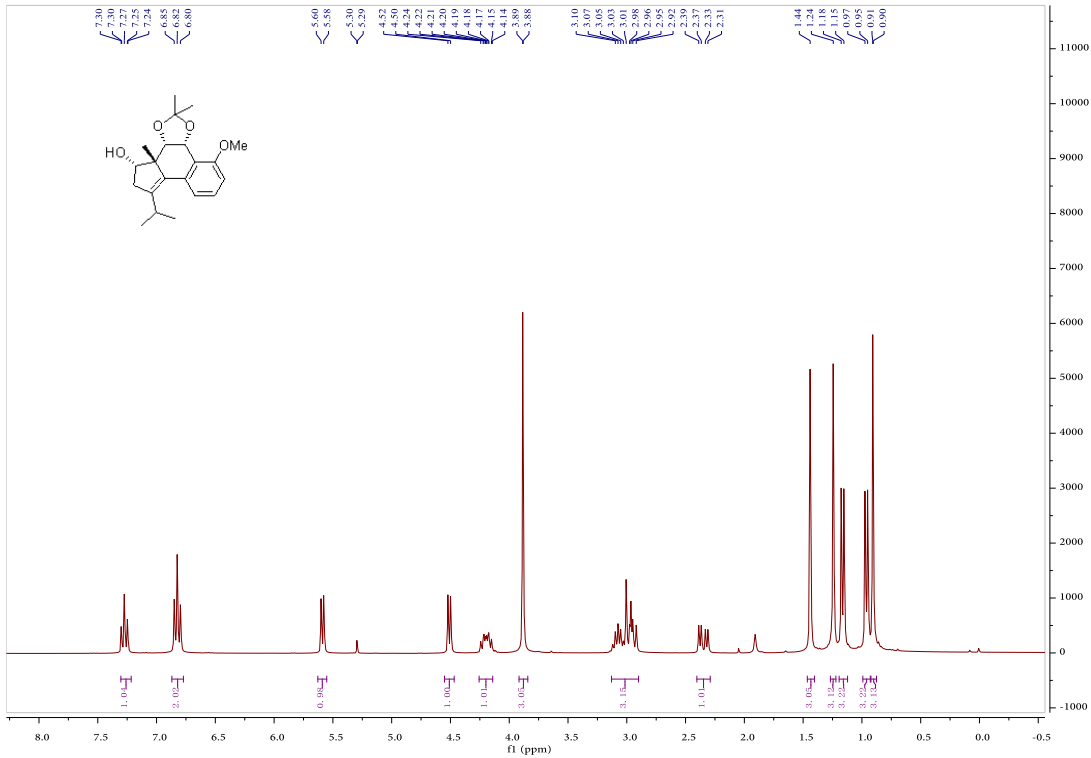
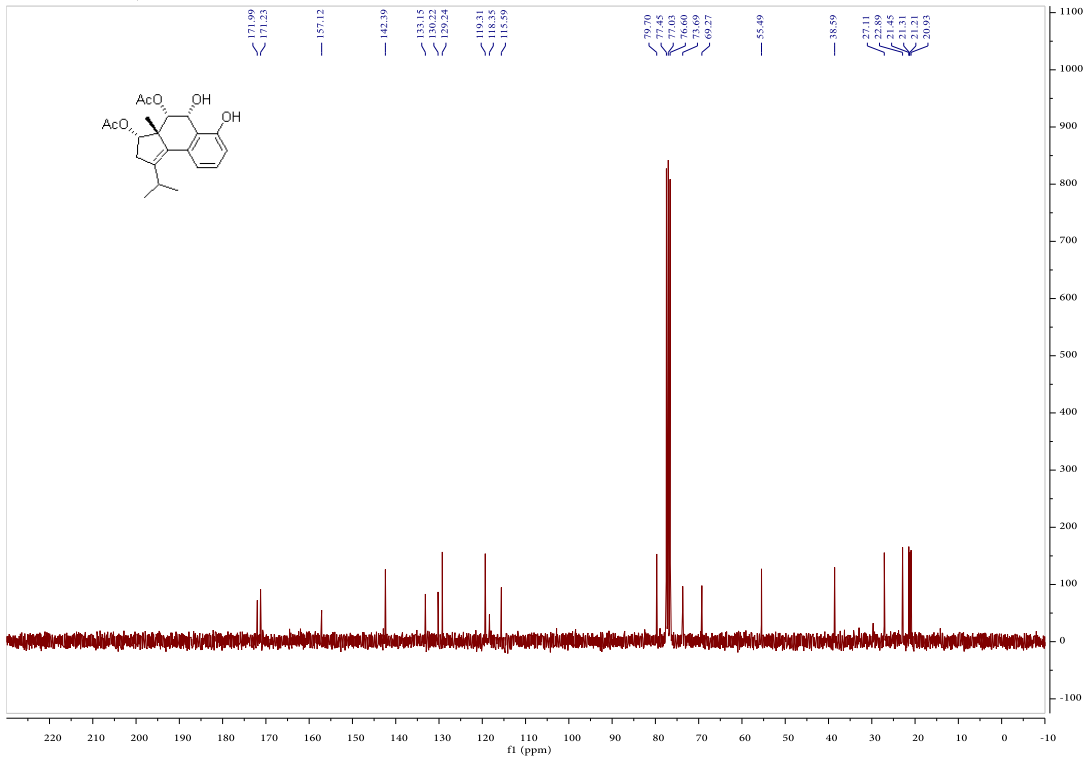
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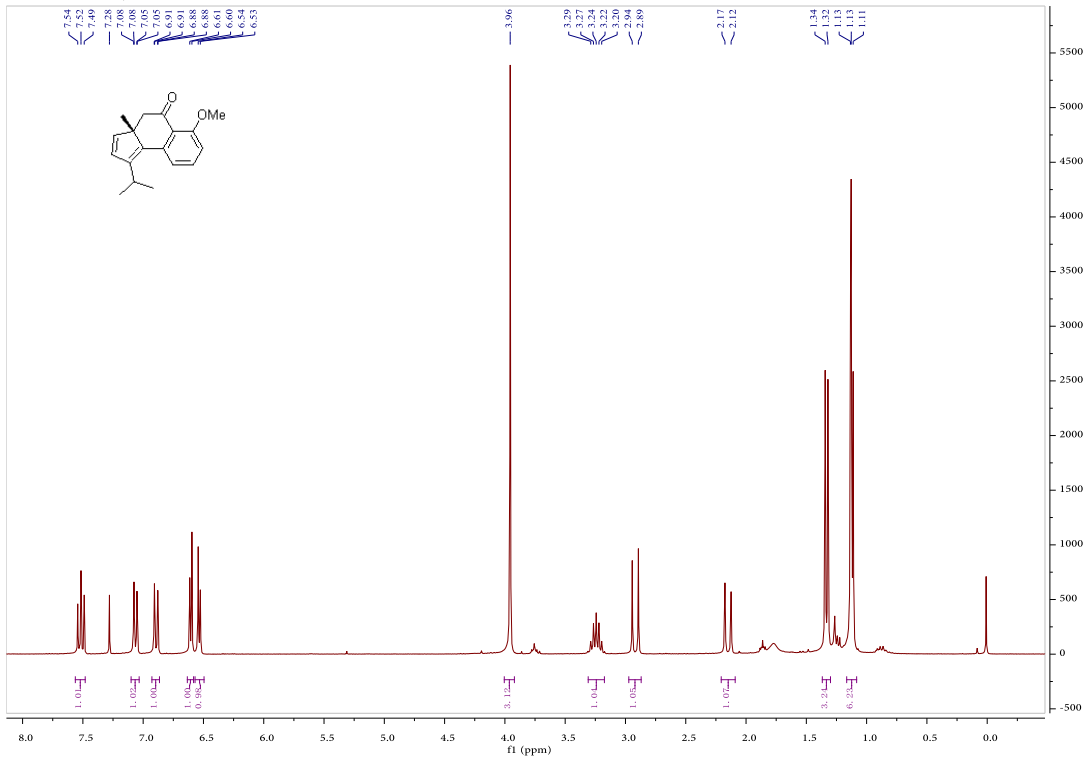
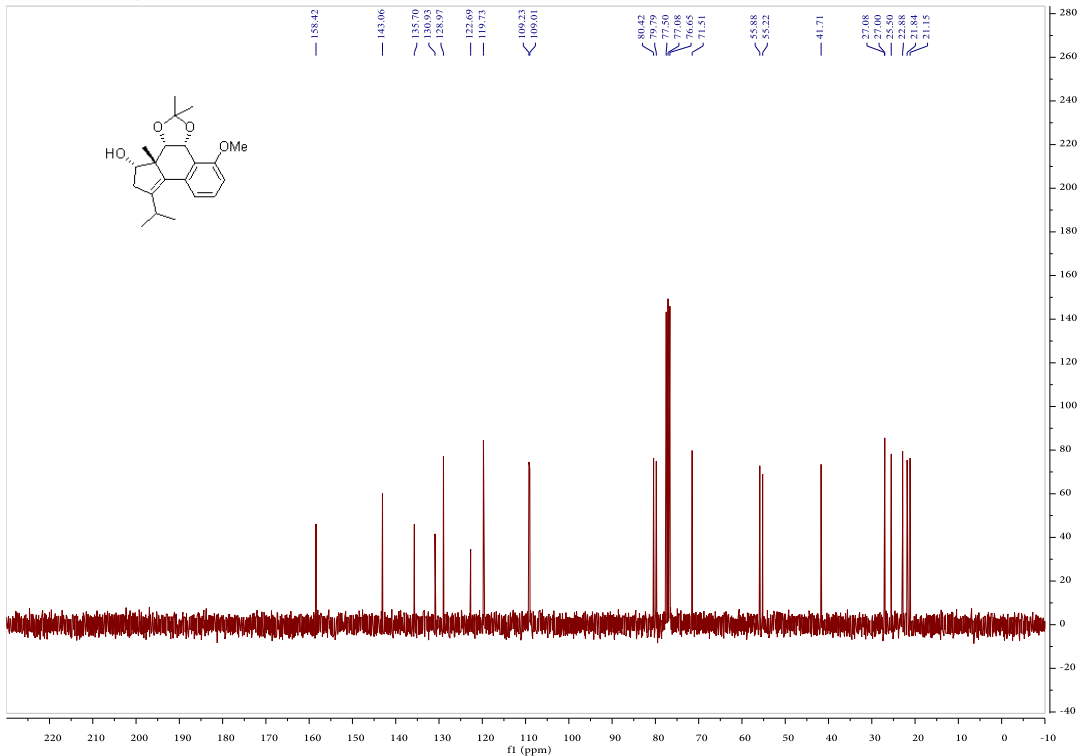




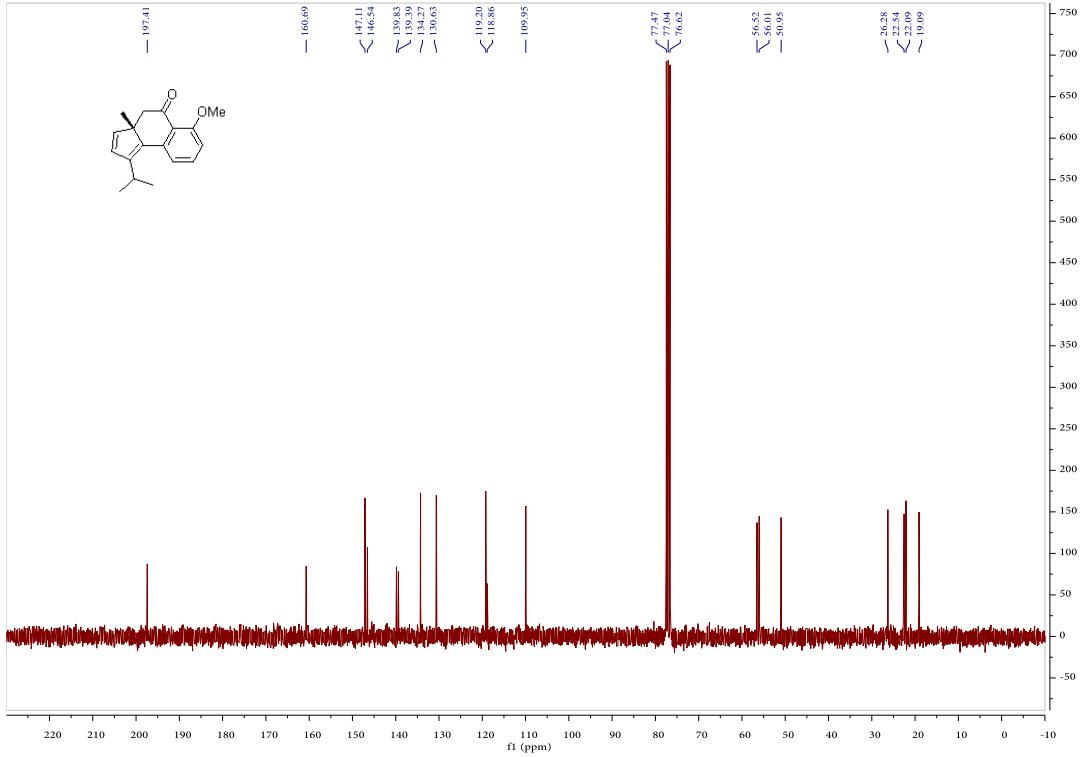








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