

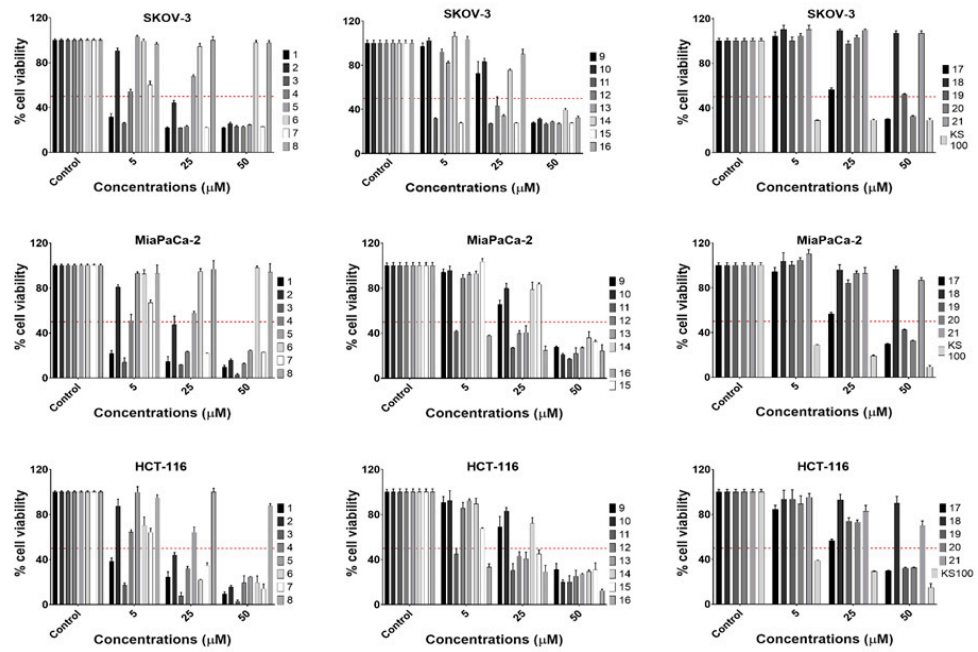
## Supplementary Data

# Identification of Novel Isatin Derivative Bearing a Nitrofuran Moiety as Potent Multi-Isoform Aldehyde Dehydrogenase Inhibitor

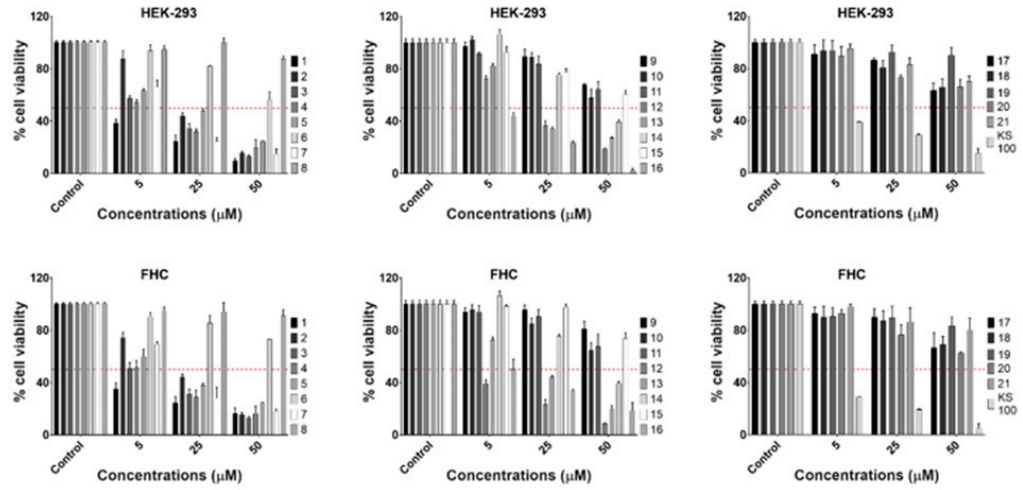
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- \* Correspondence: kgowda@pennstatehealth.psu.edu (K.G.); asharma1@pennstatehealth.psu.edu (A.K.S.)

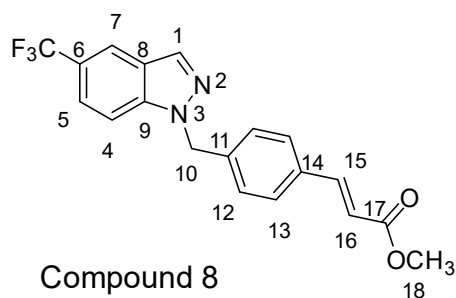
S. No.	Description	Page No.
1	Cellular IC <sub>50</sub> -Dose response-ovary, pancreatic, and colon cancer cell lines	S2
2	Cellular IC <sub>50</sub> -Dose response-normal cell lines	S3
3	HMBC Spectrum for compounds <b>8</b> and <b>9</b>	S4-5
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**Figure S1.** Cellular IC<sub>50</sub> dose response for ovary, pancreatic, and colon cancer cell lines



**Figure S2.** Cellular IC<sub>50</sub> dose response for normal cell lines



SGA24-101216; HMBC, Sample 8  
June 17, 2024

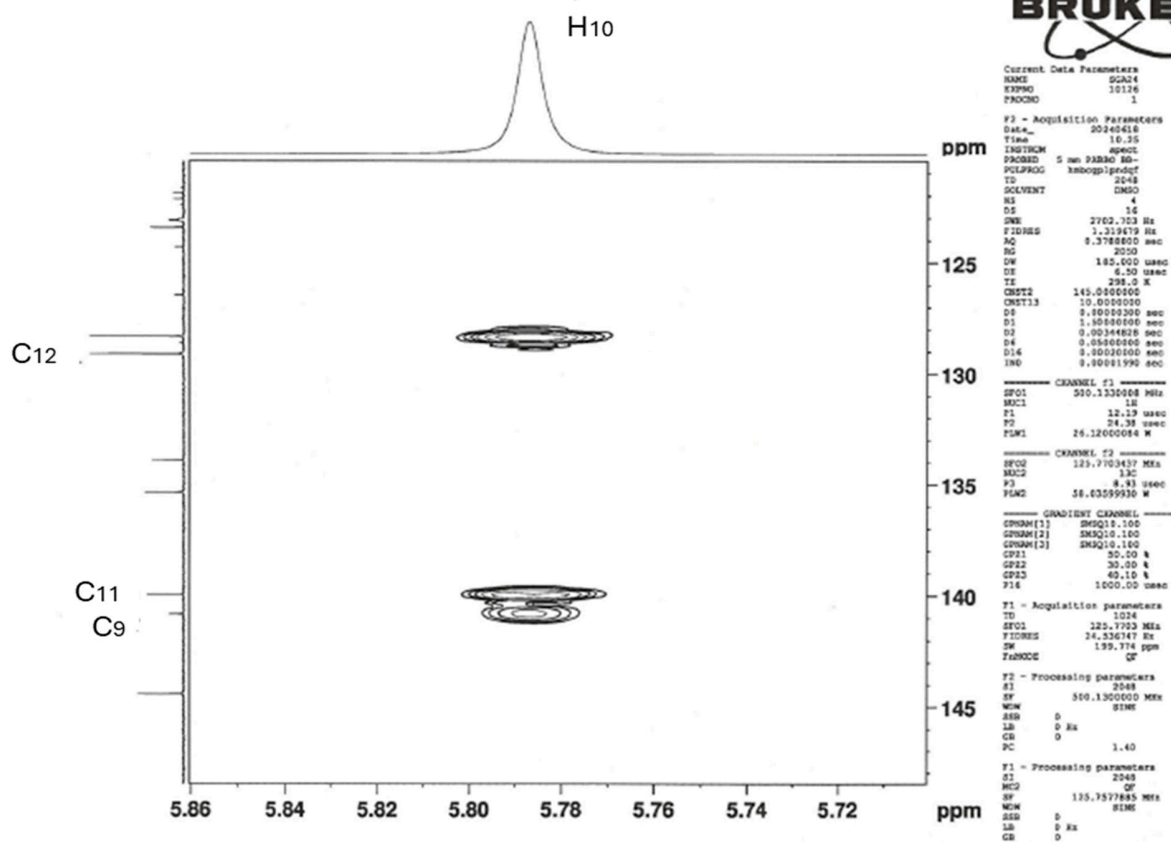


Figure S3. HMBC spectrum- Compound 8



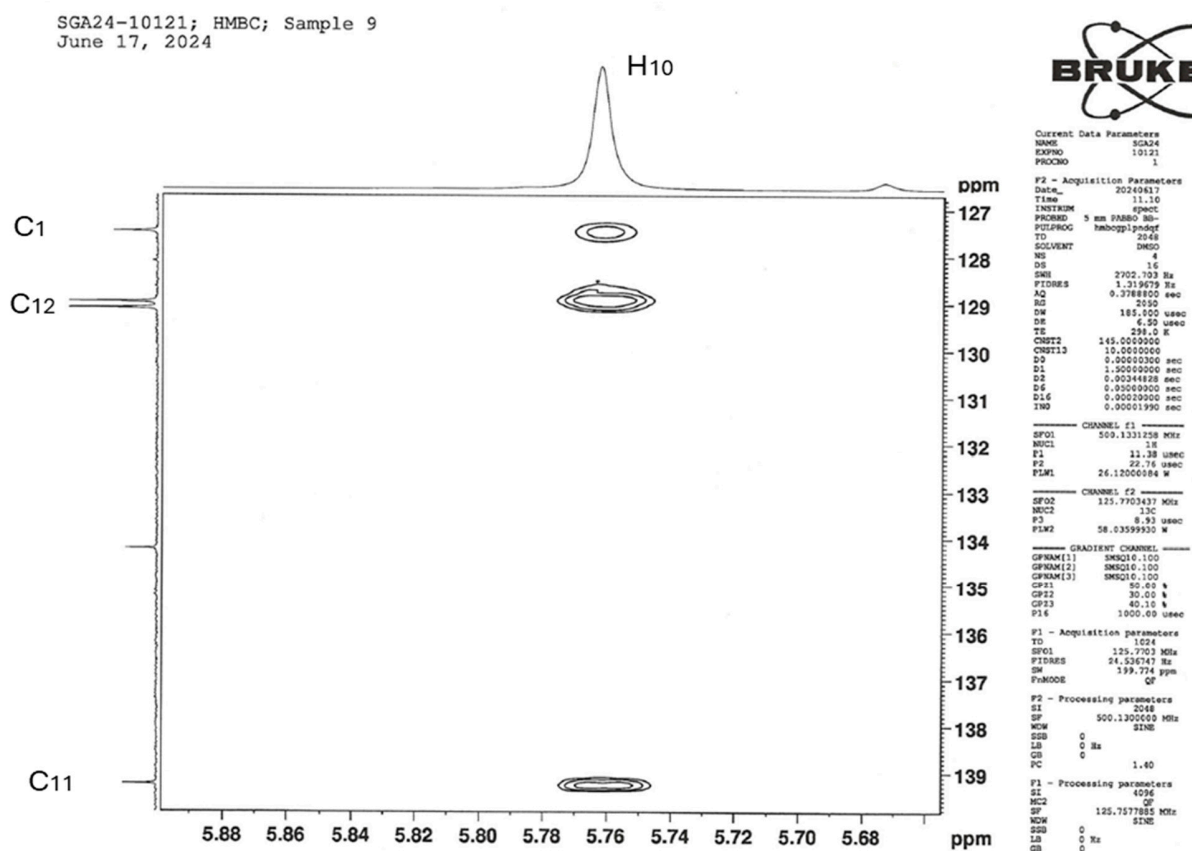
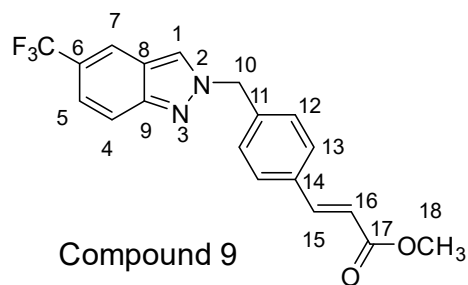
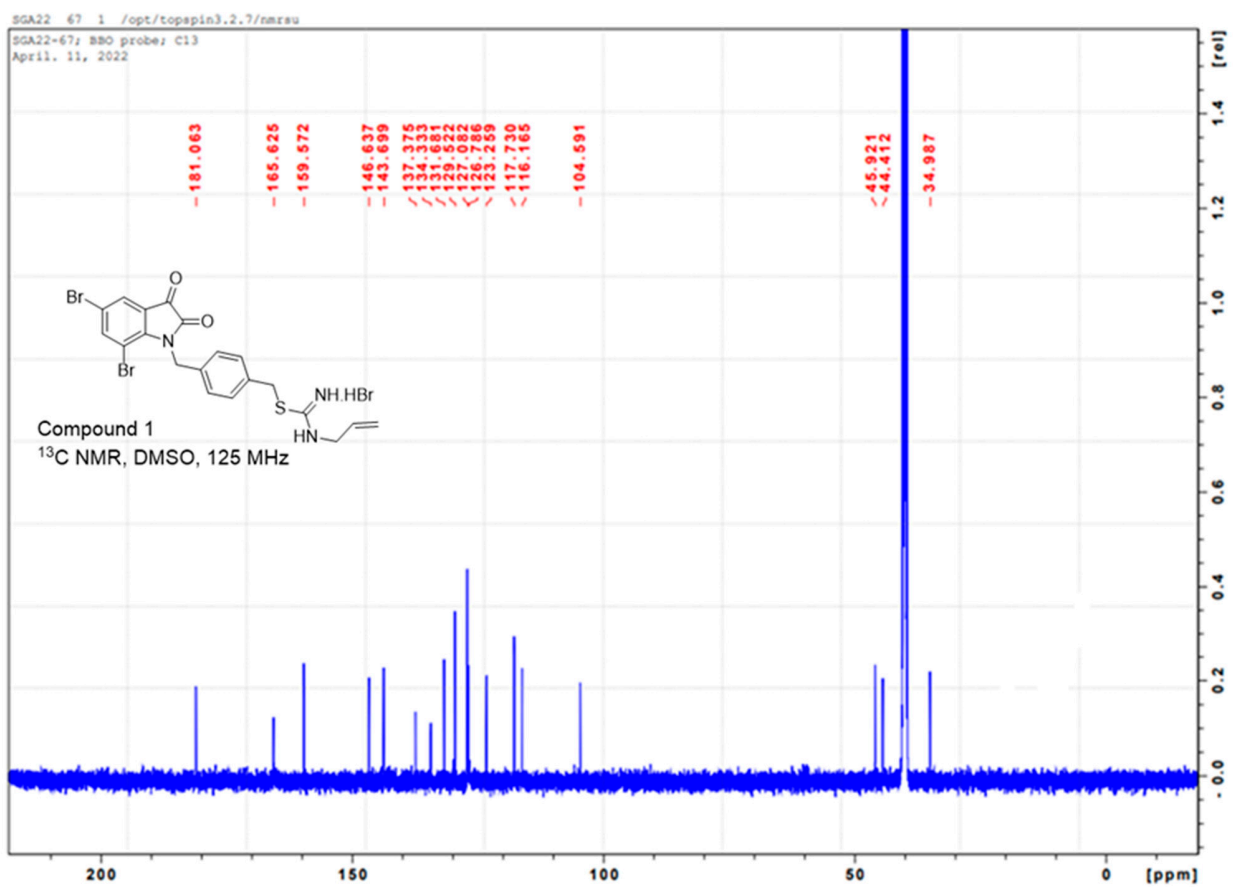
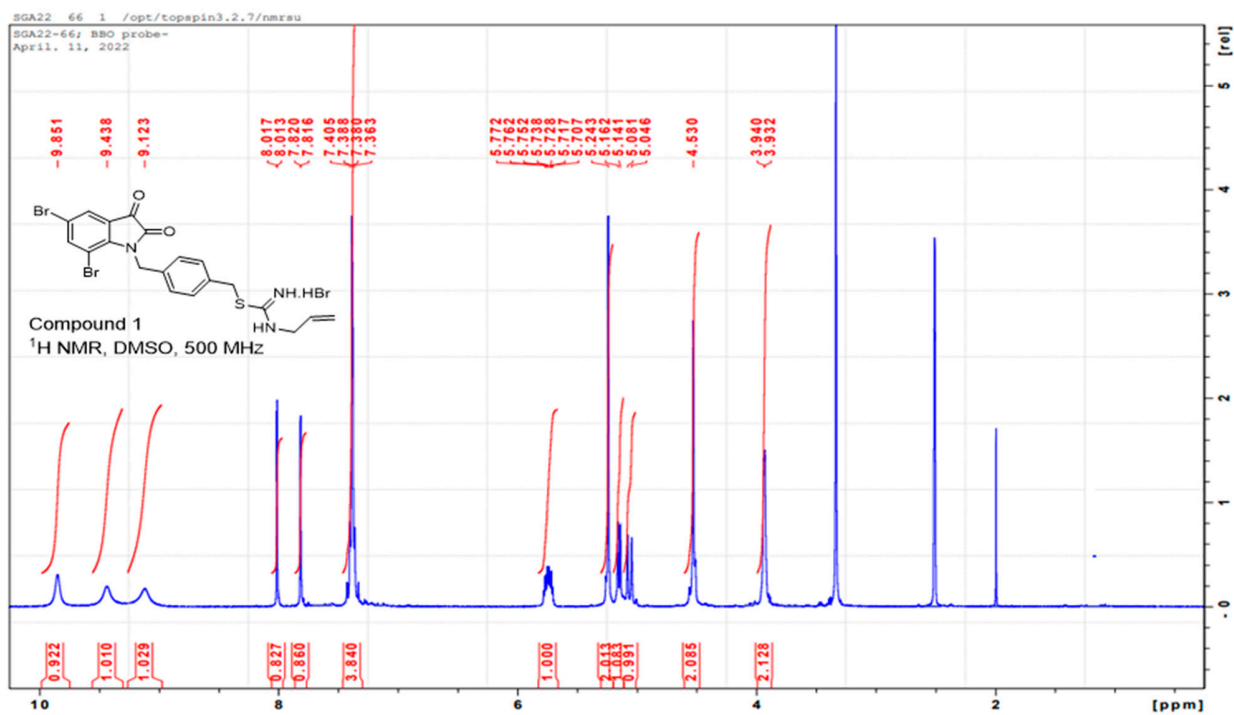
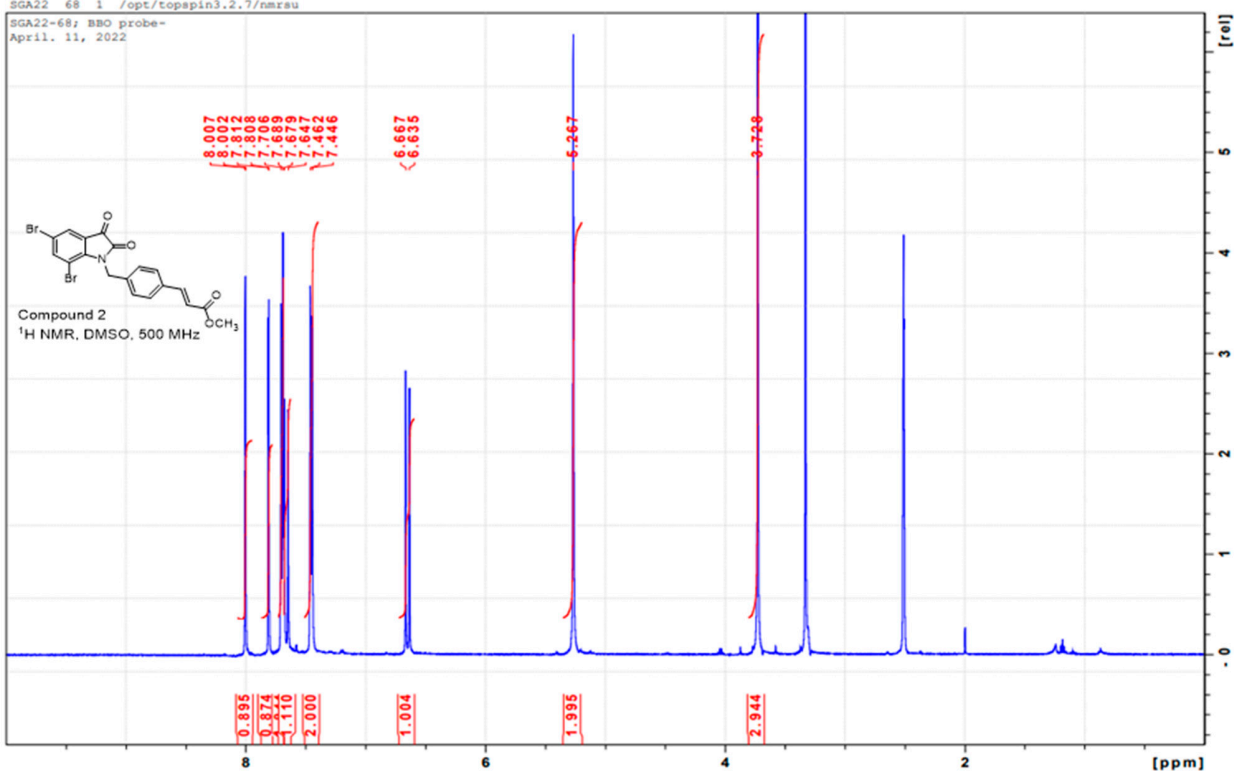


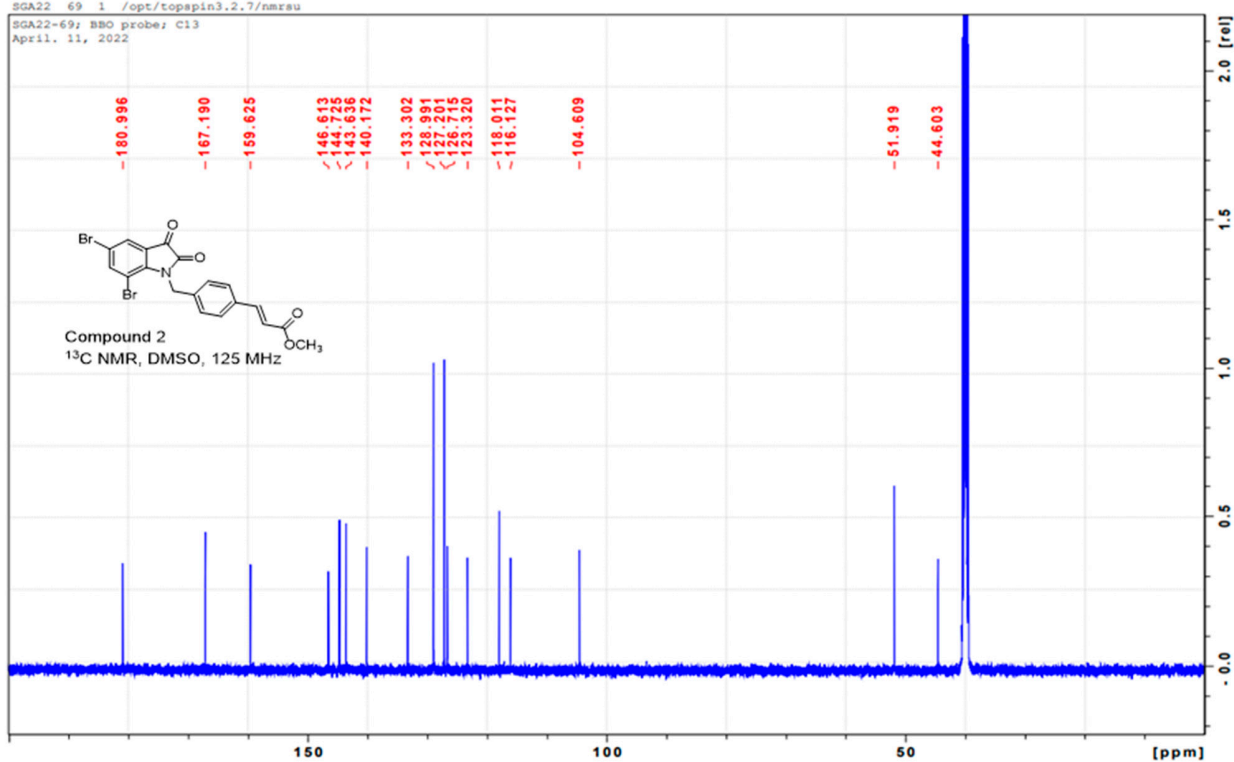
Figure S4. HMBC spectrum- Compound 9



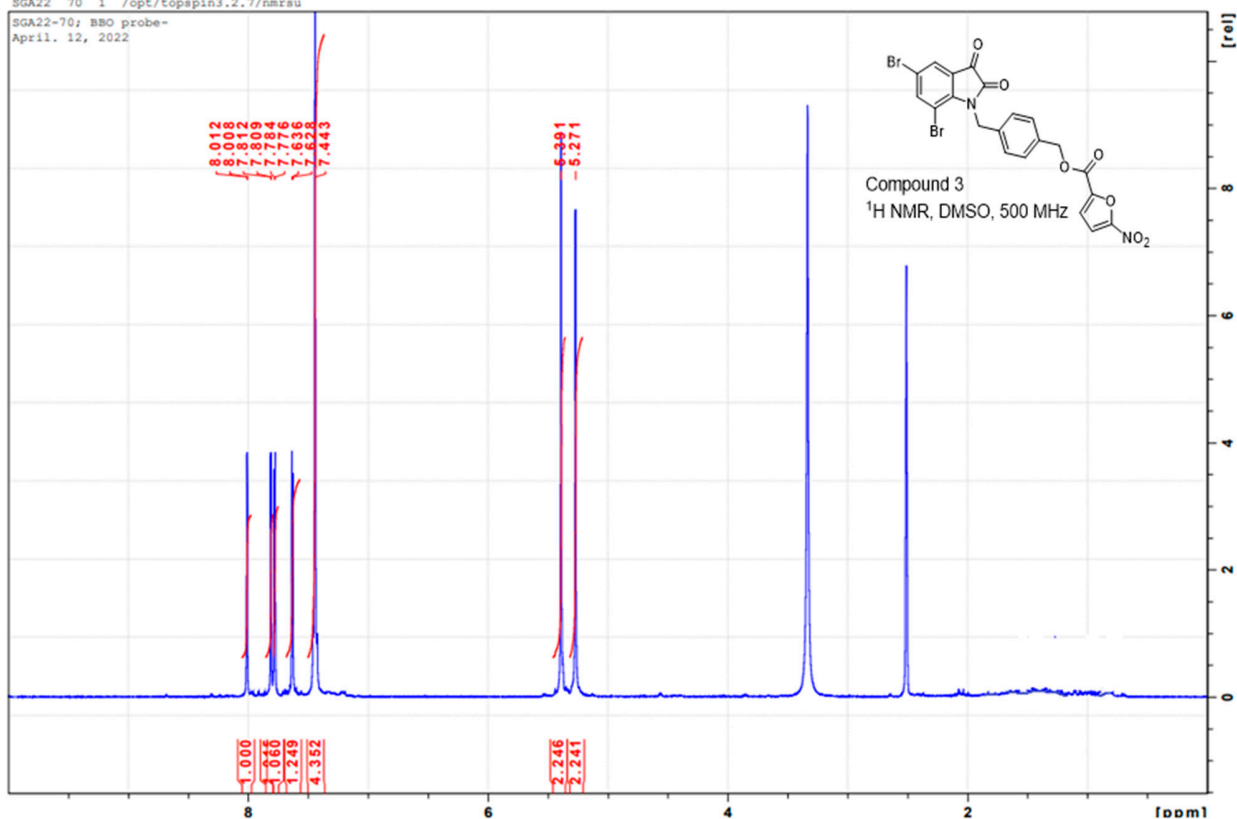
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 April. 11, 2022



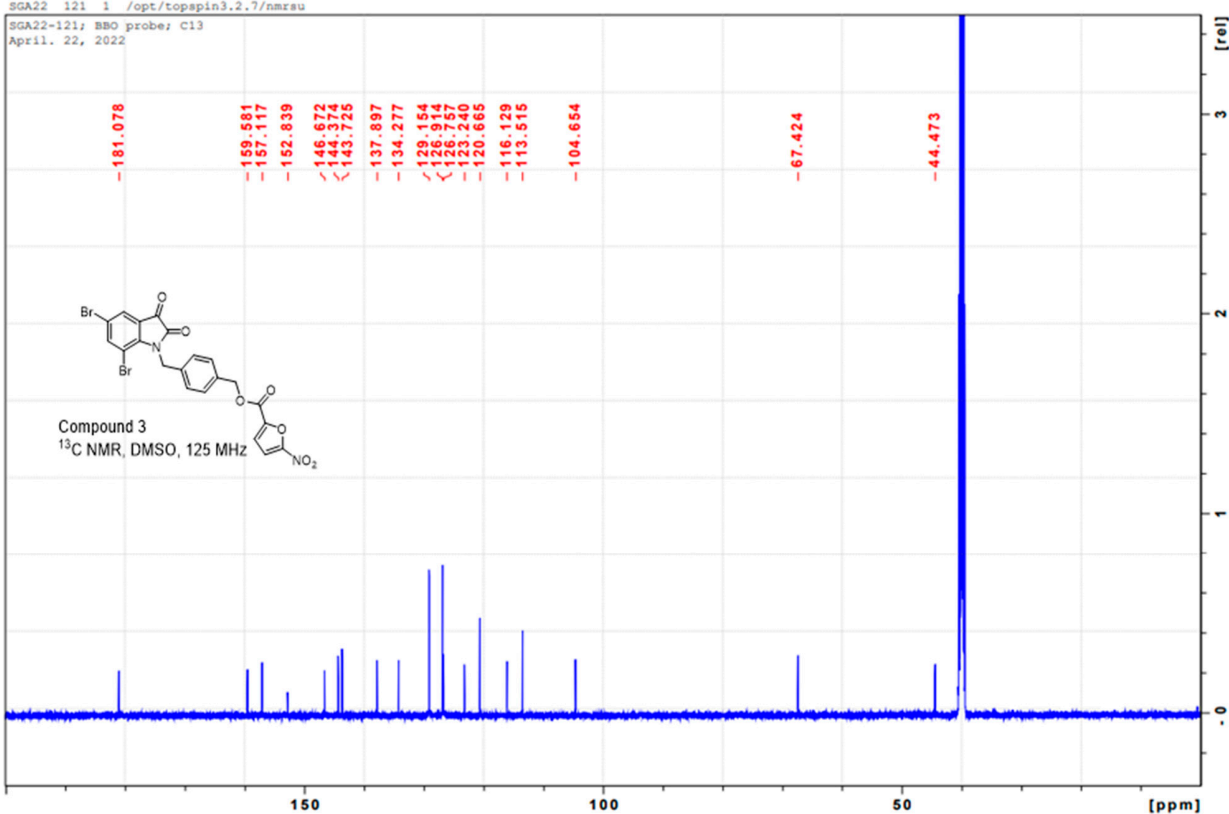
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 April. 11, 2022

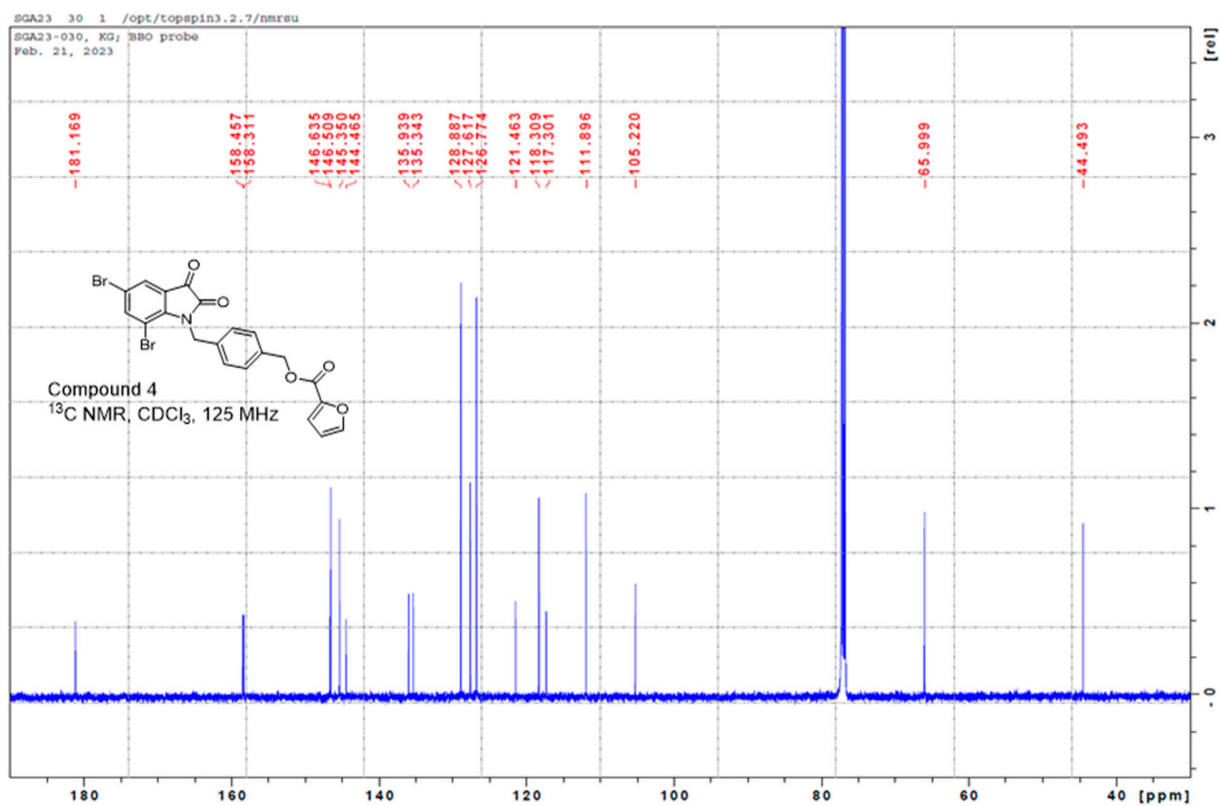
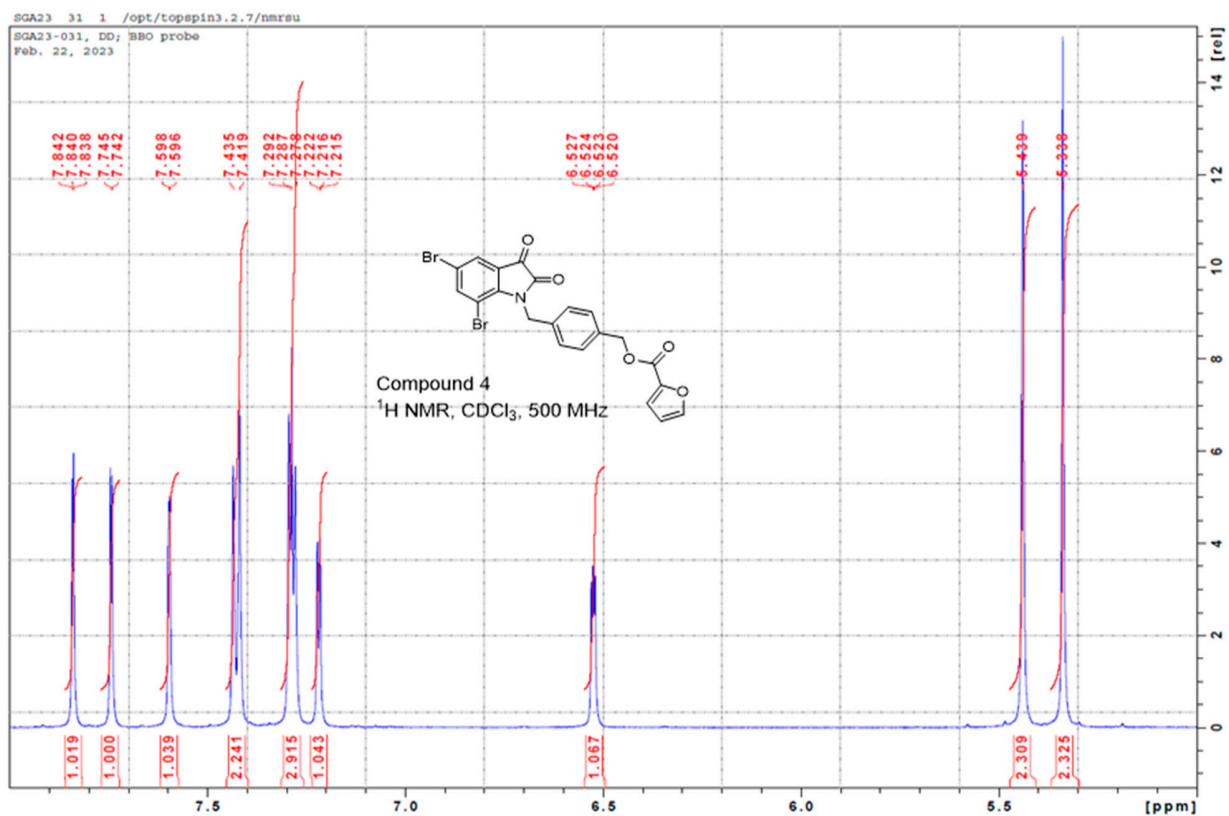


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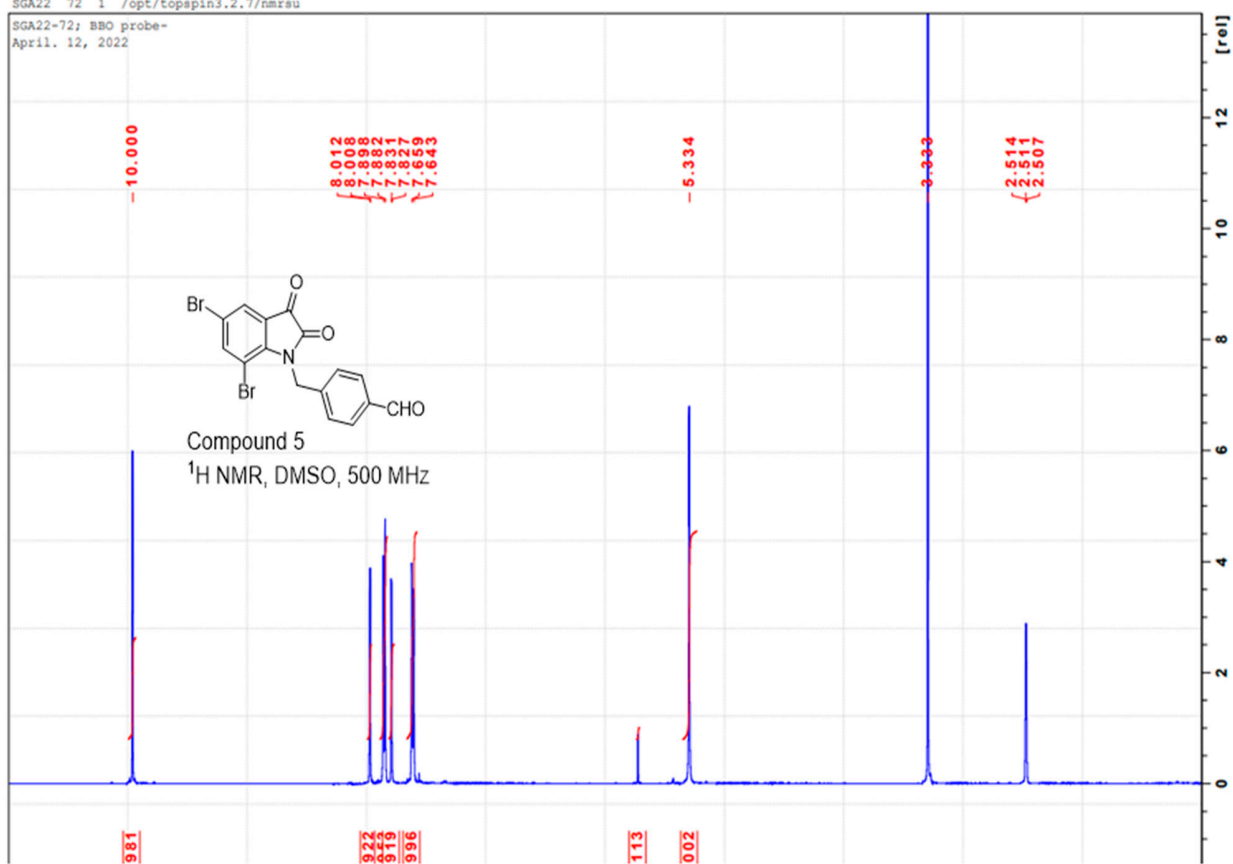
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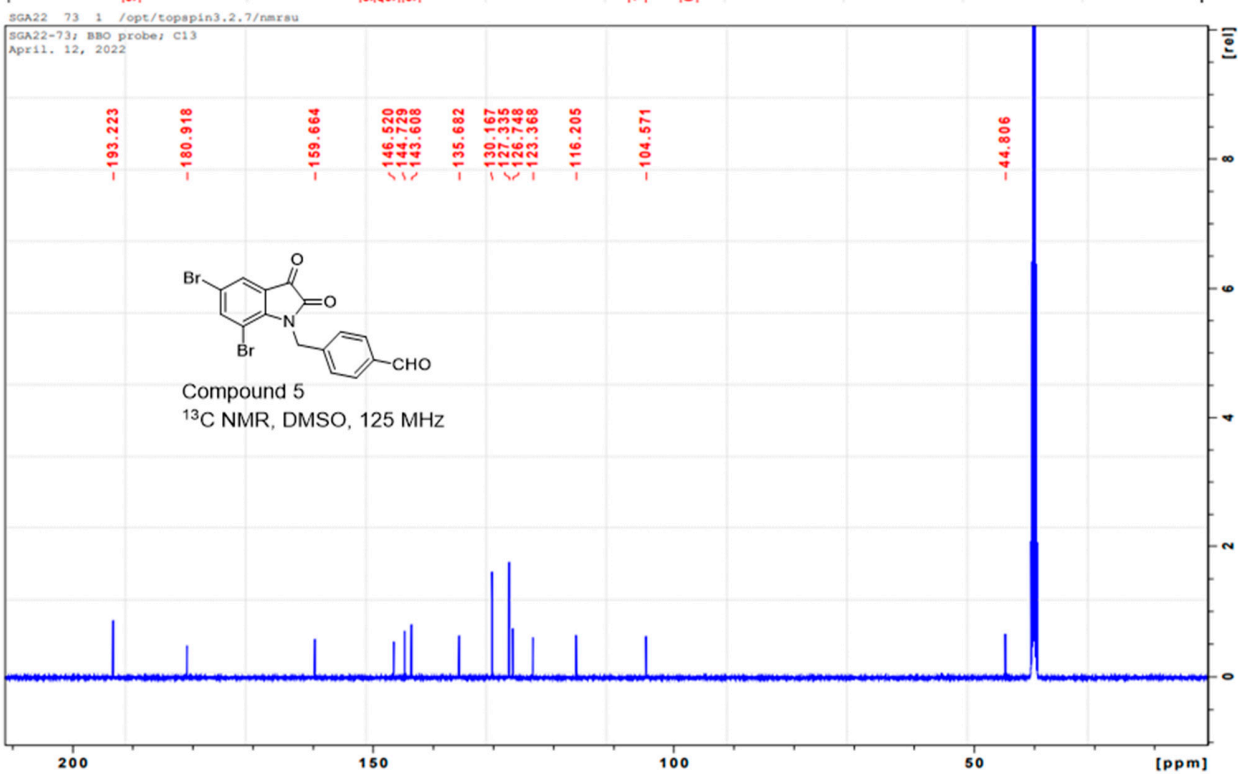
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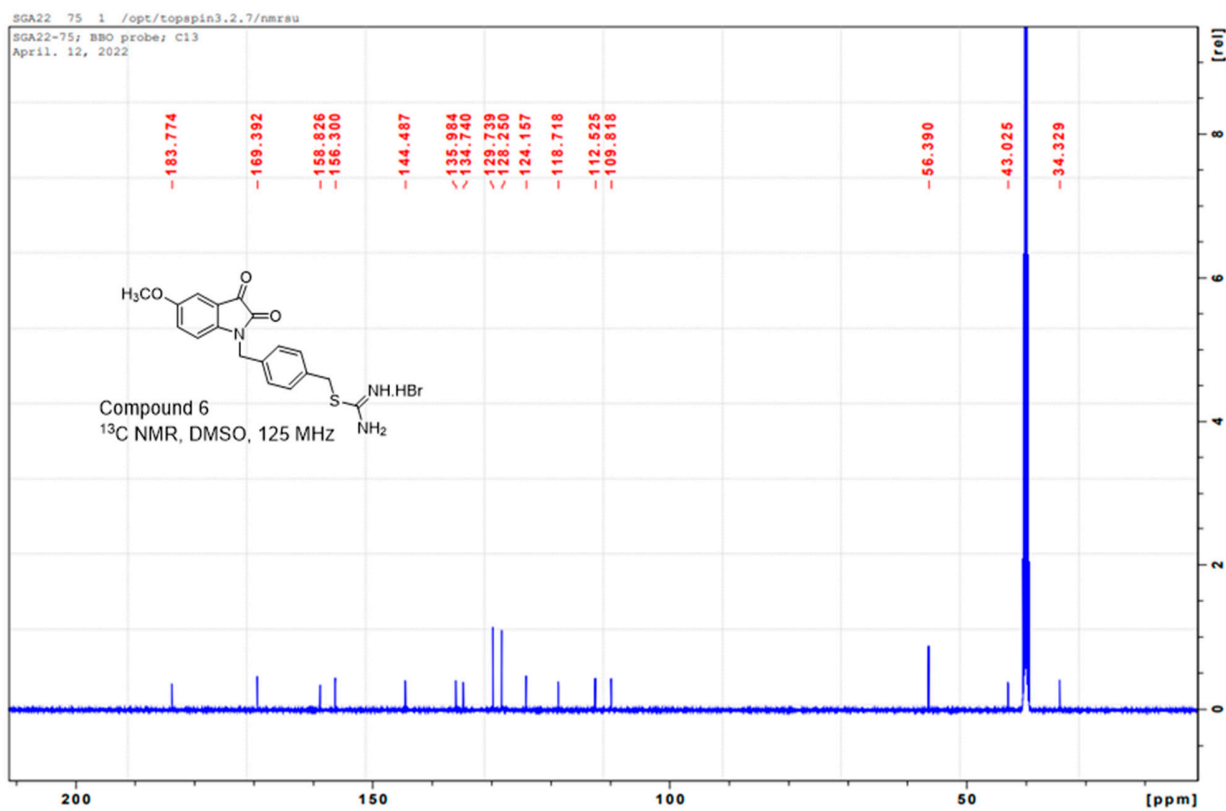
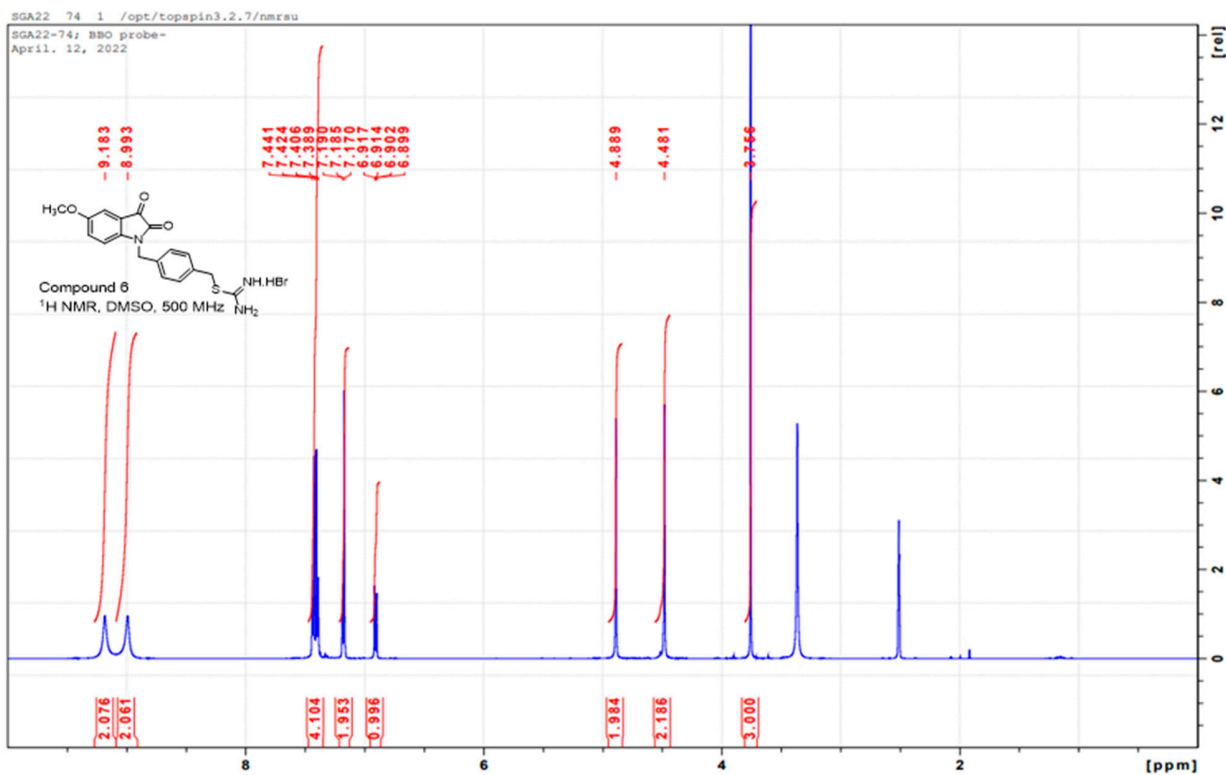
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April. 12, 2022



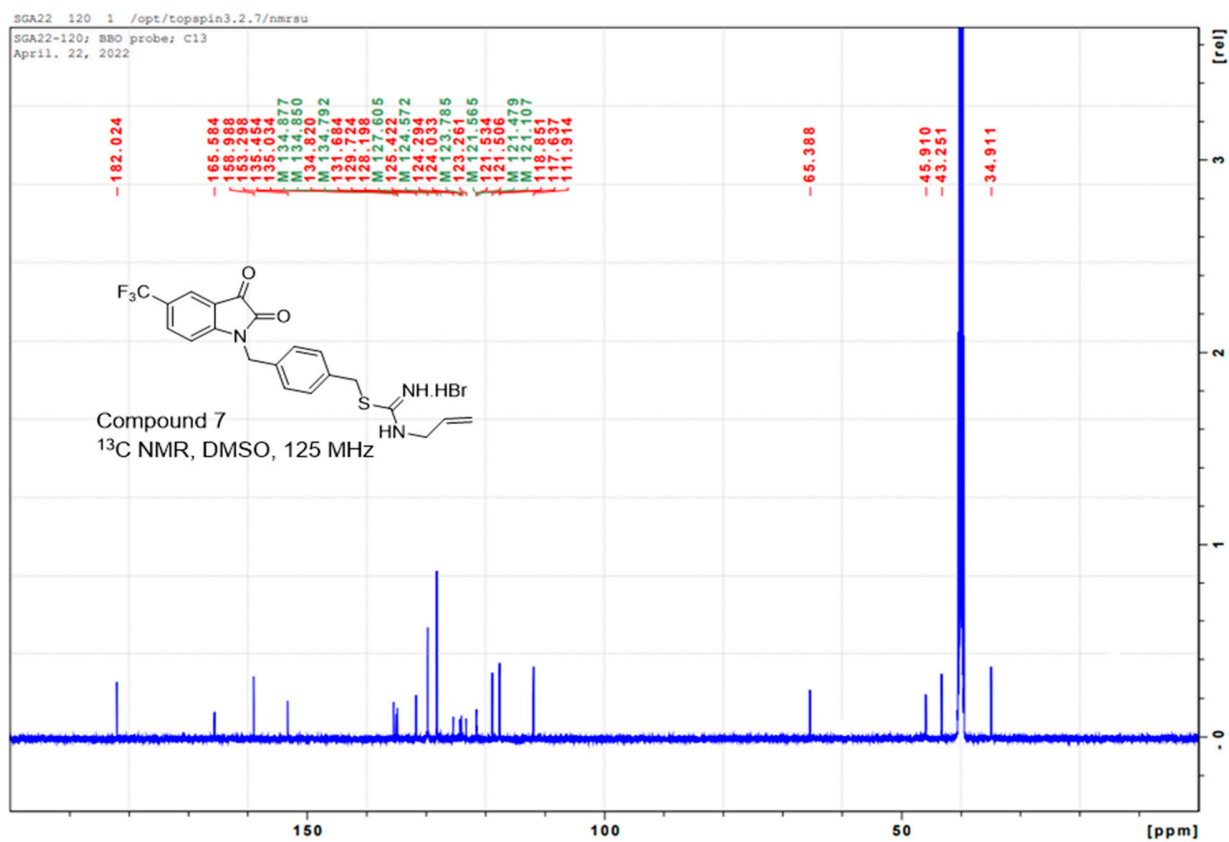
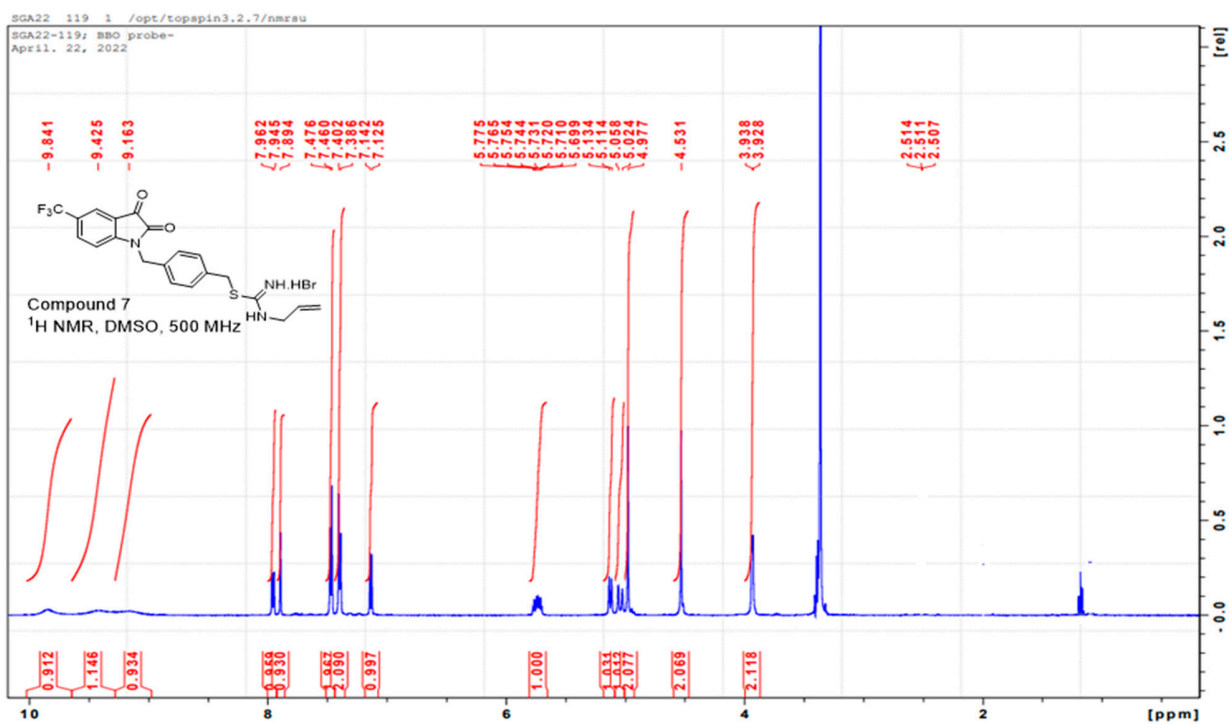
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SGA22-73; BBO probe; C13  
April. 12, 2022





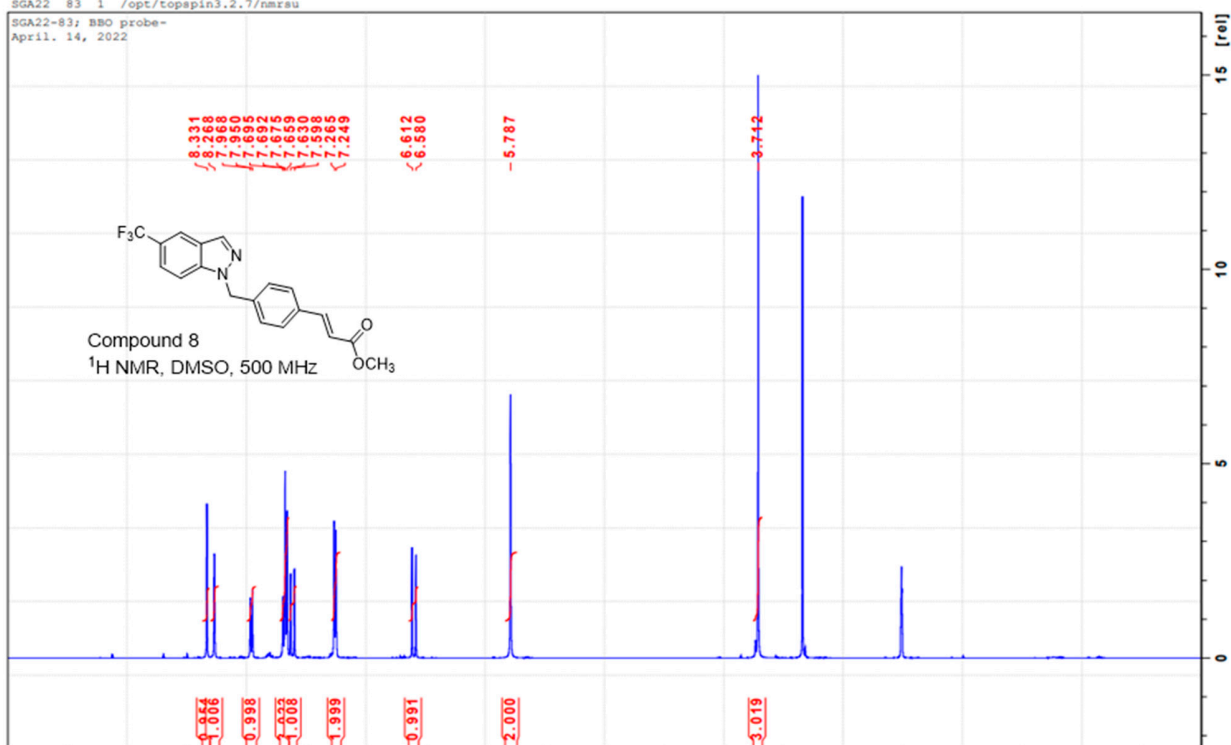






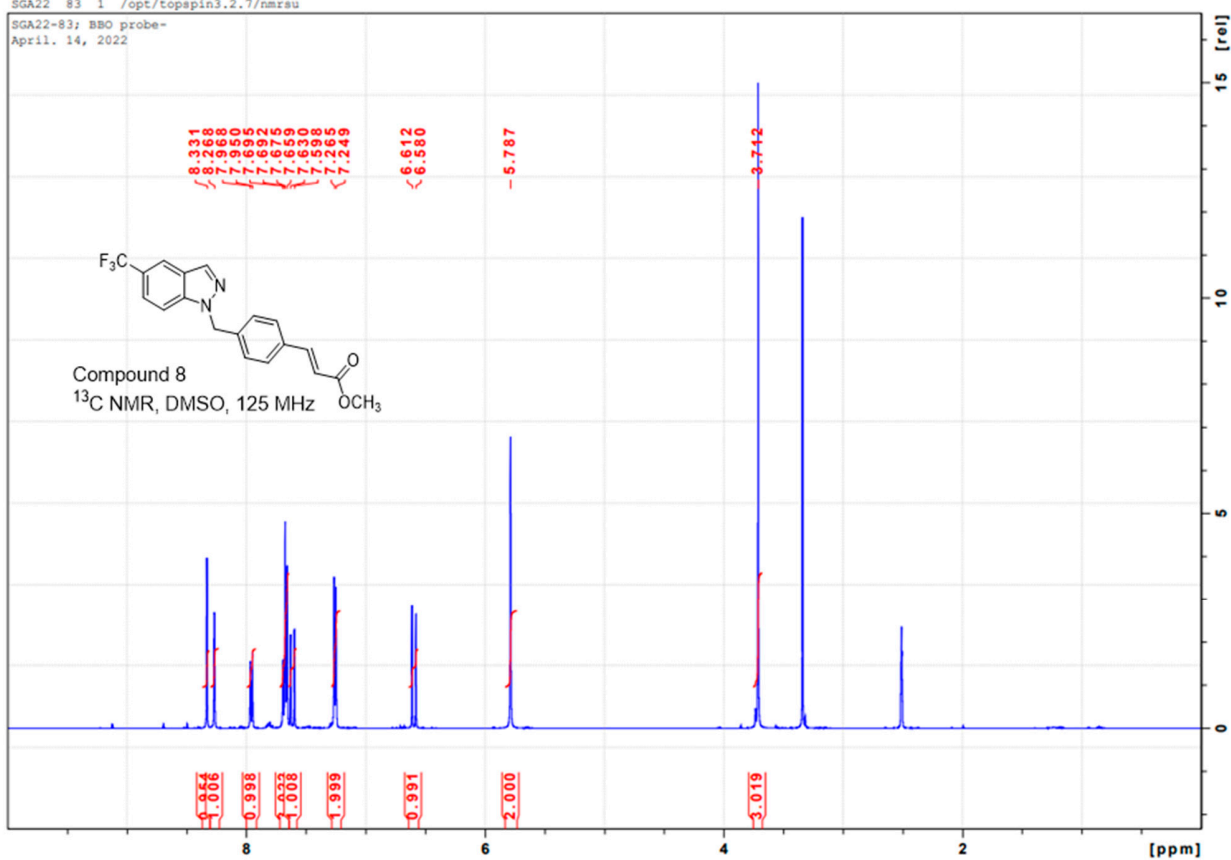
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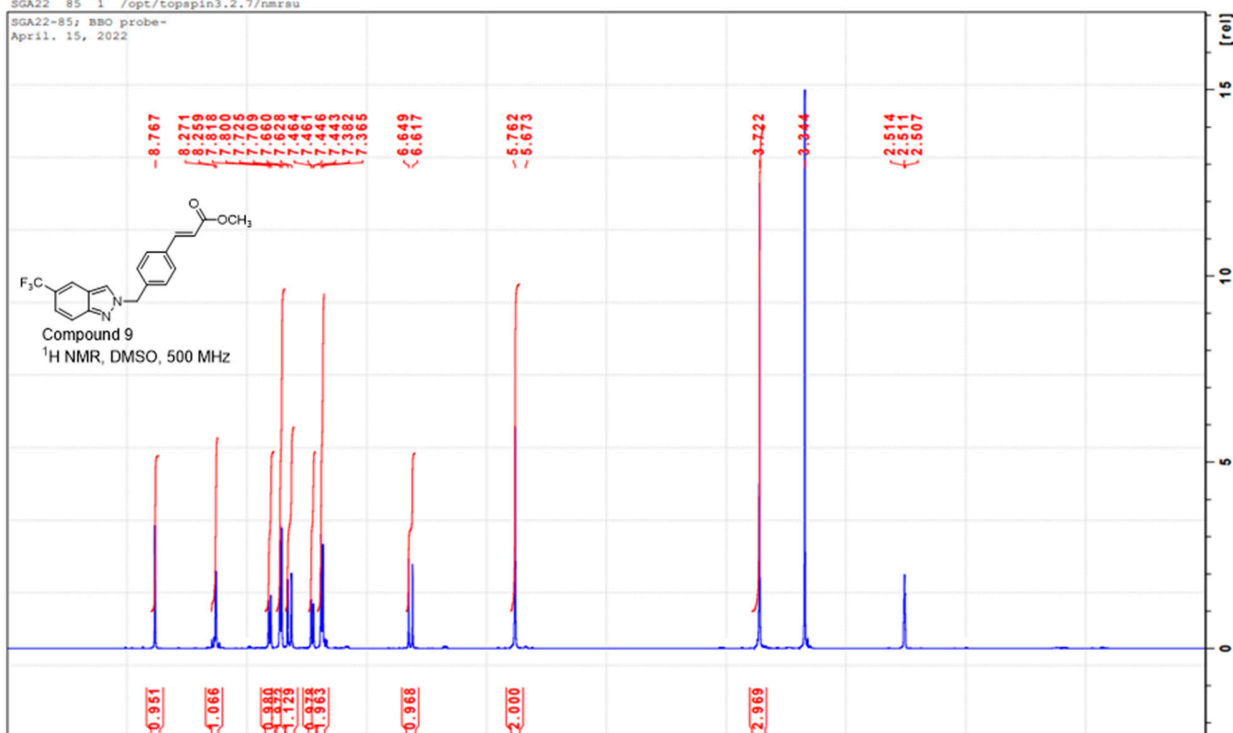


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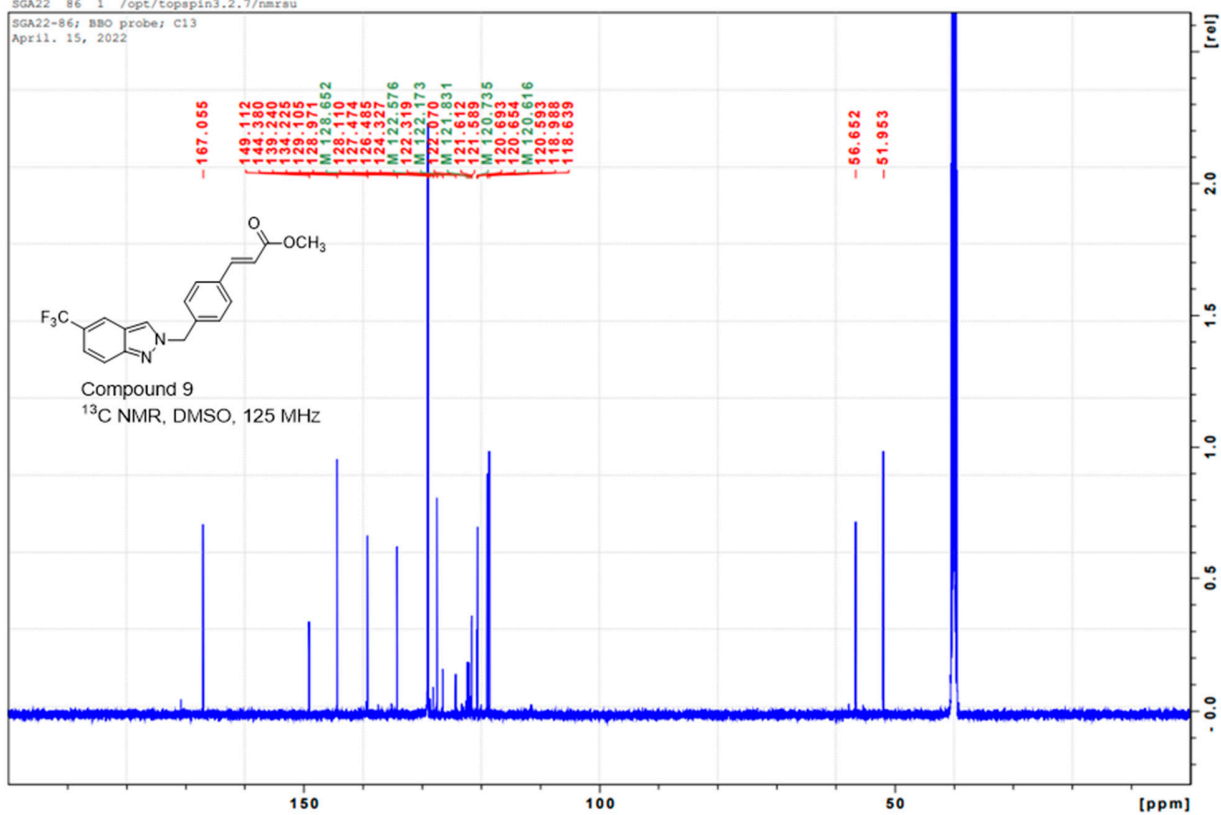
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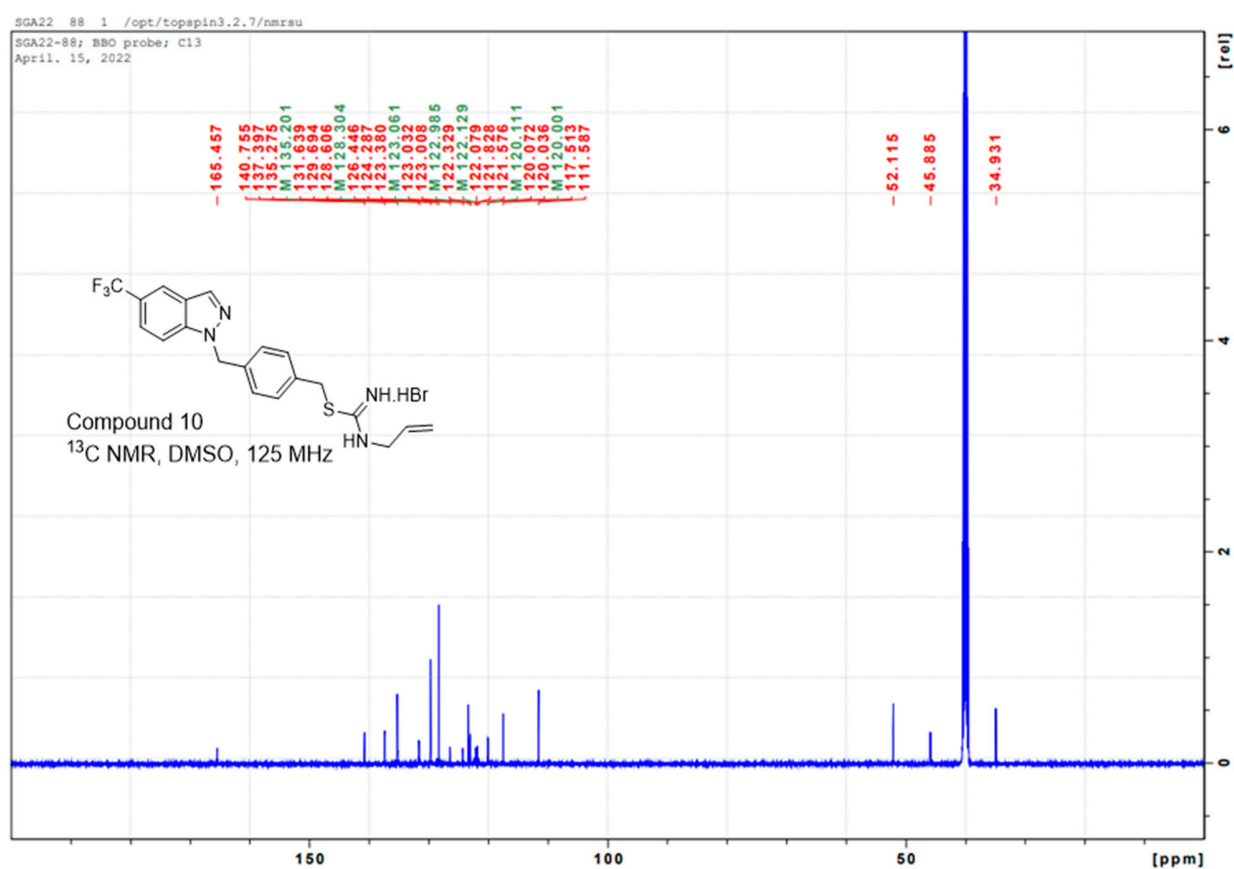
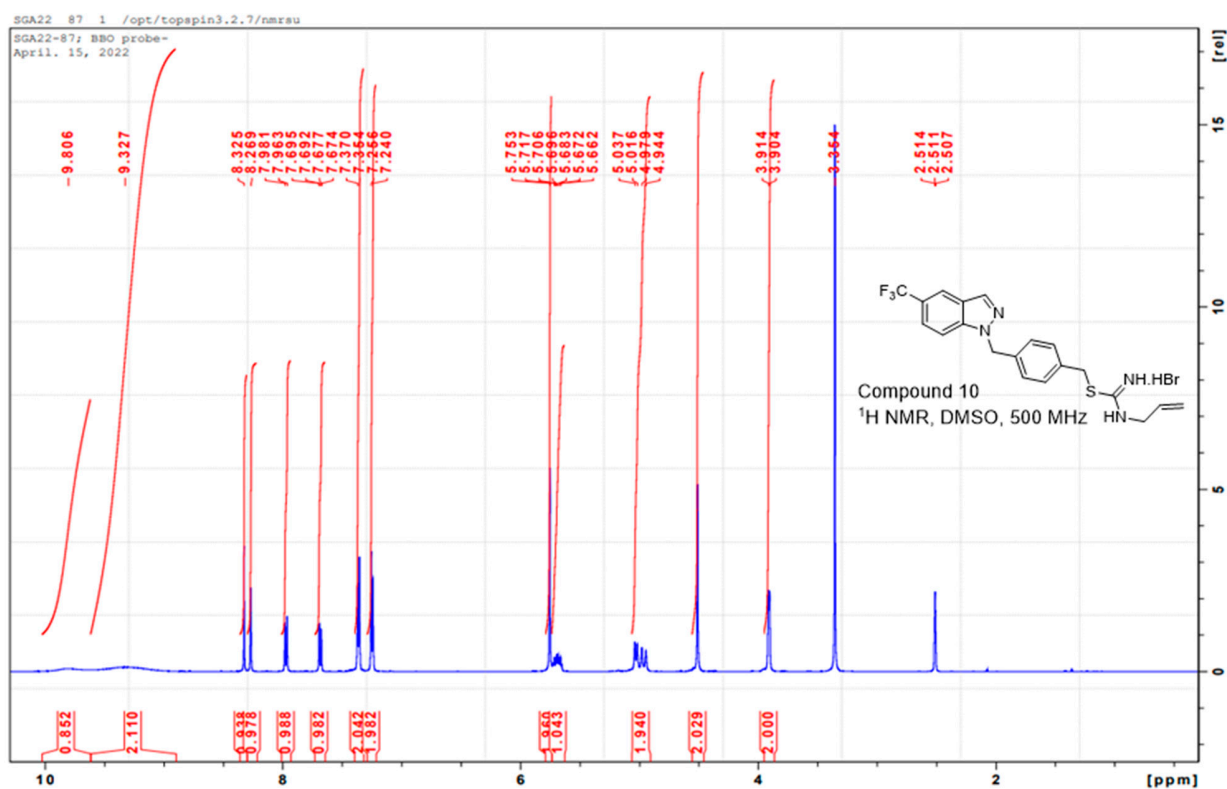


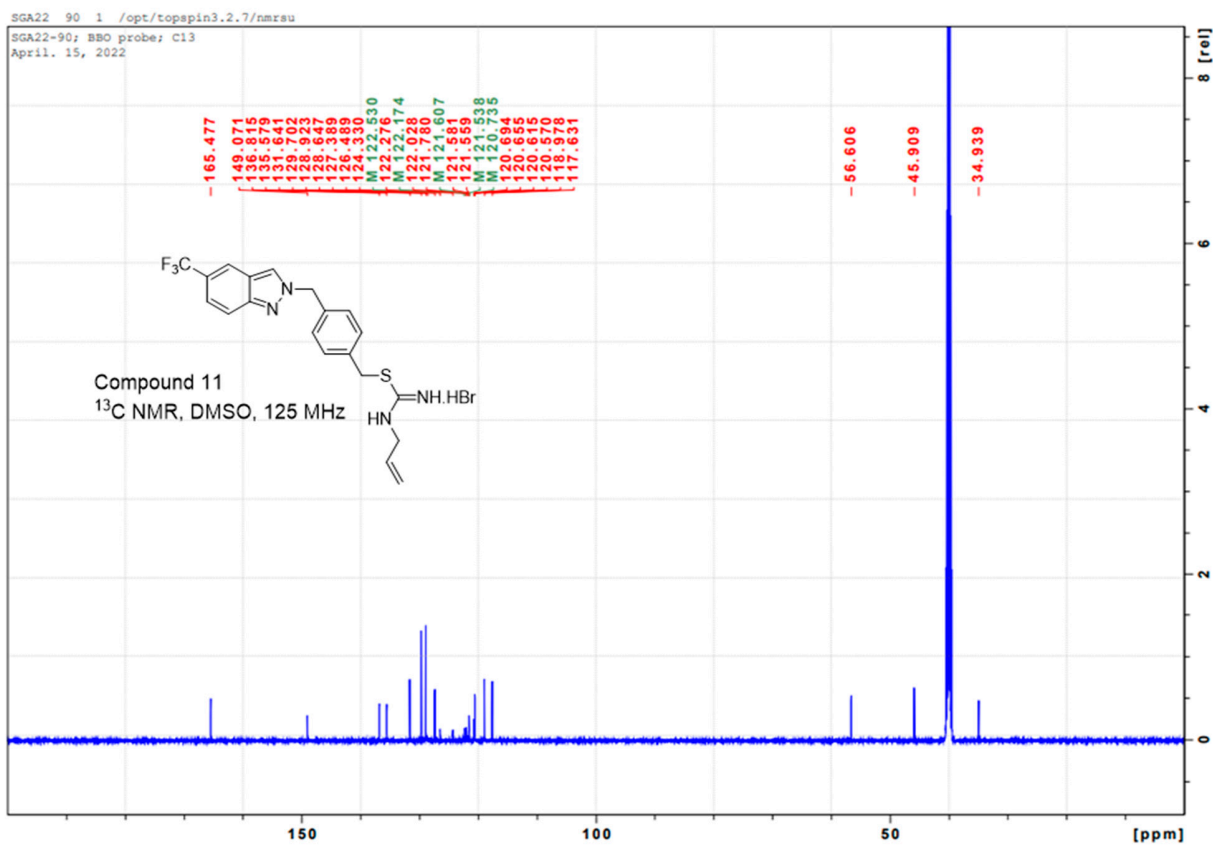
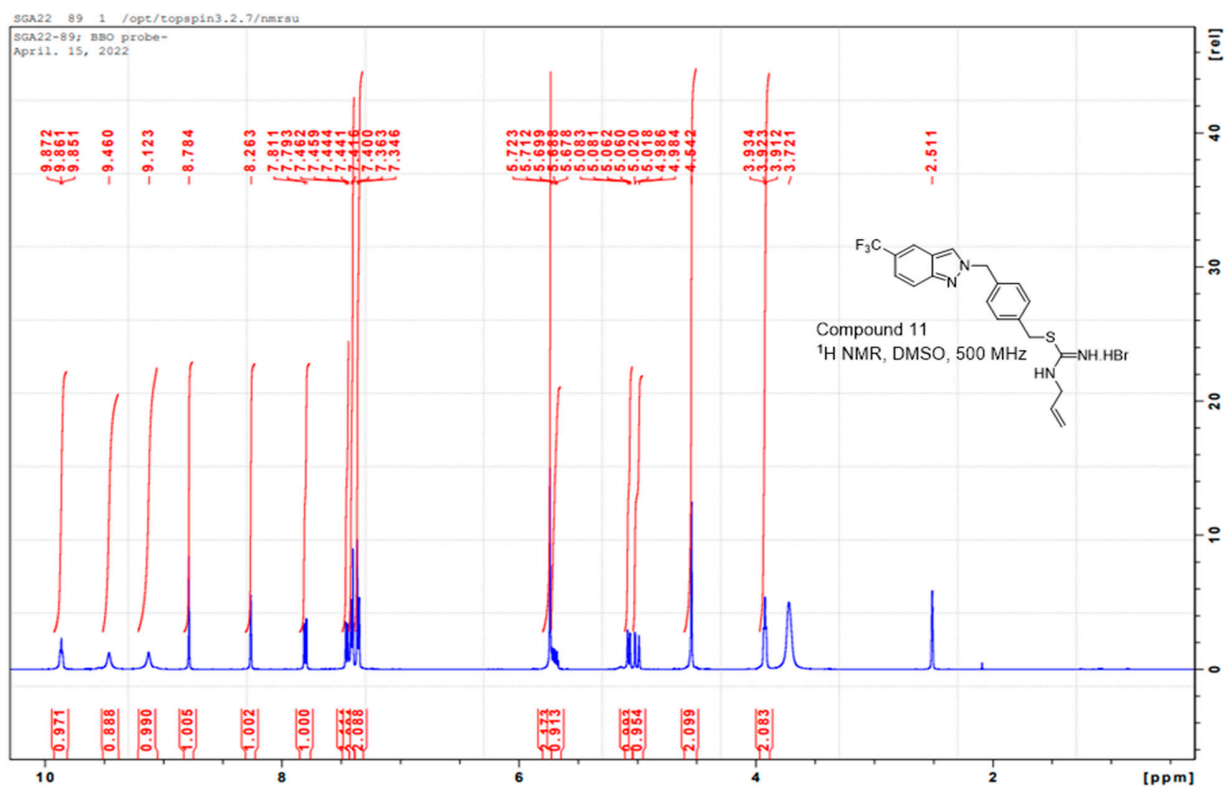
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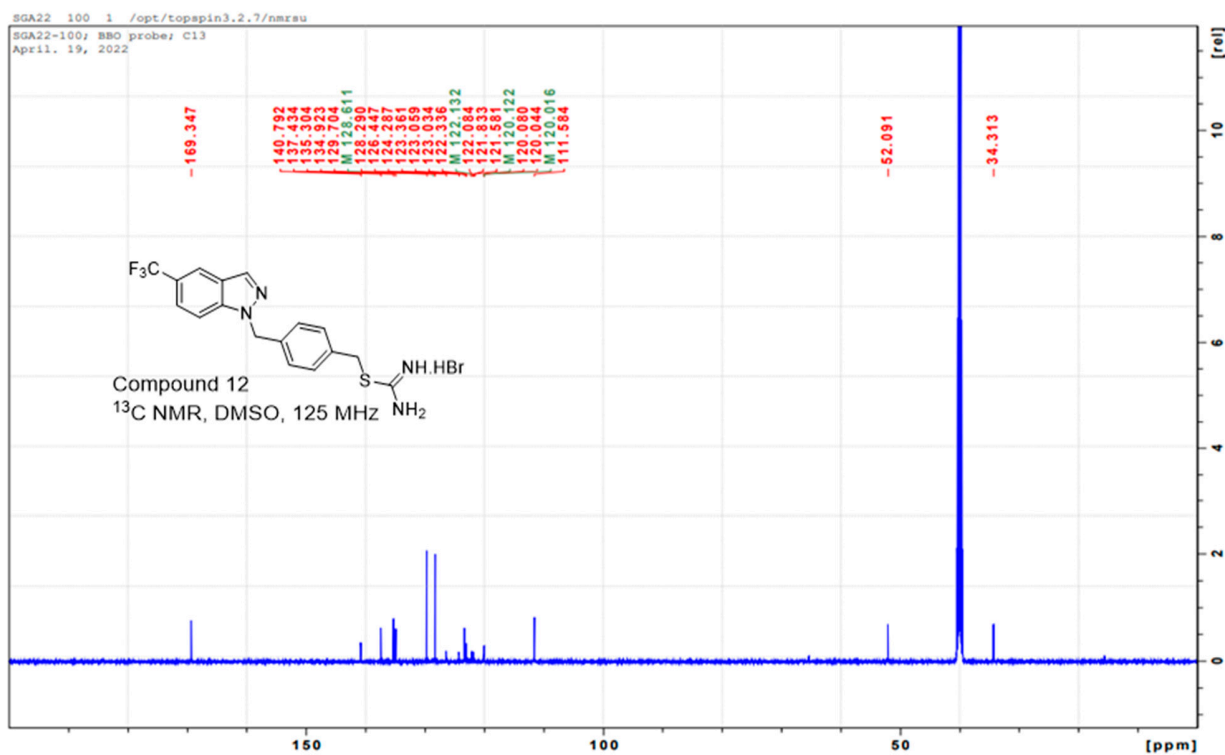
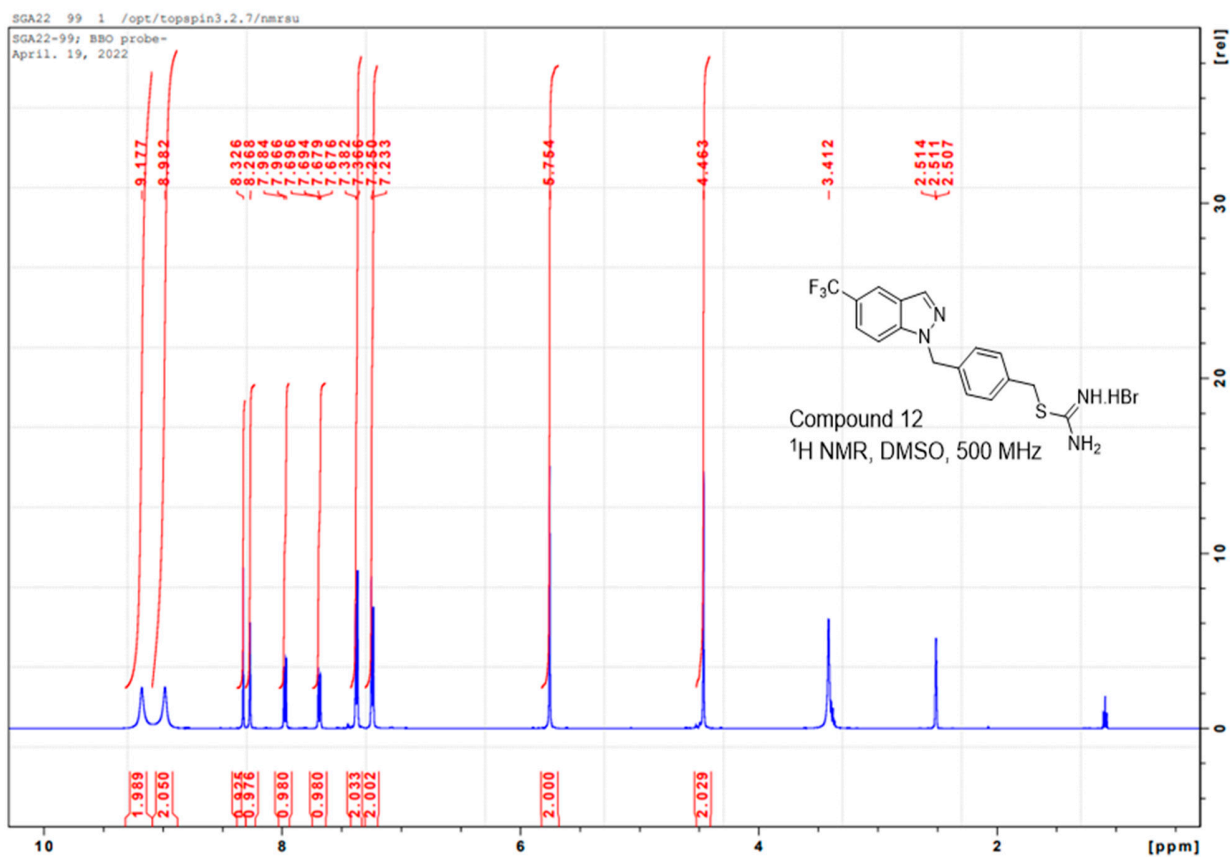


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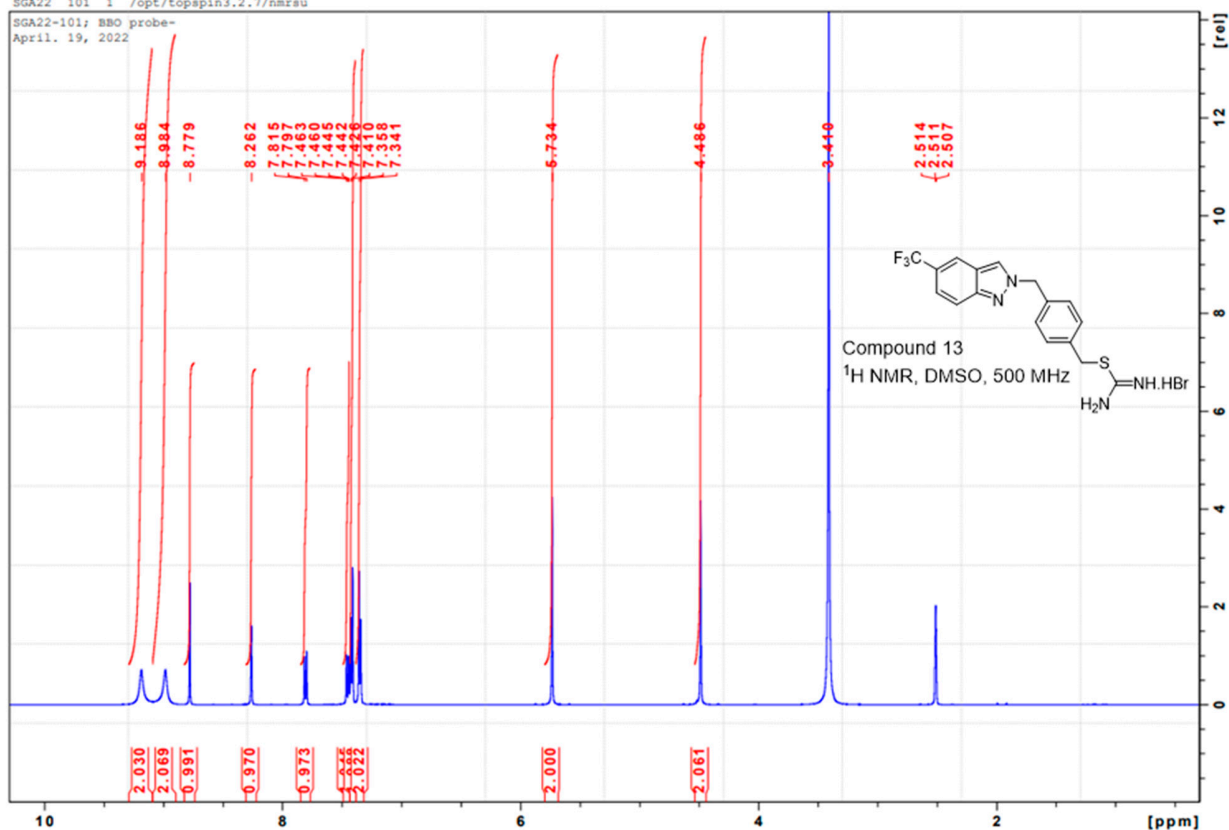




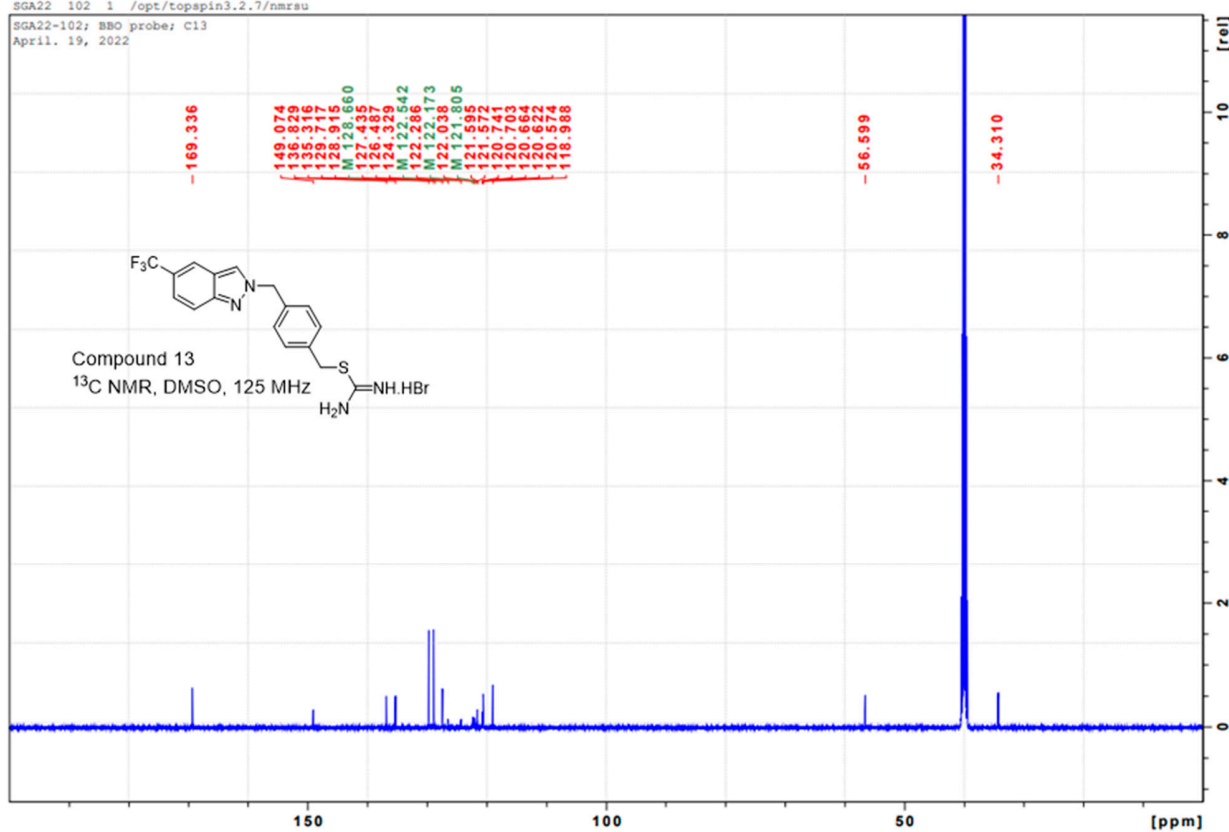




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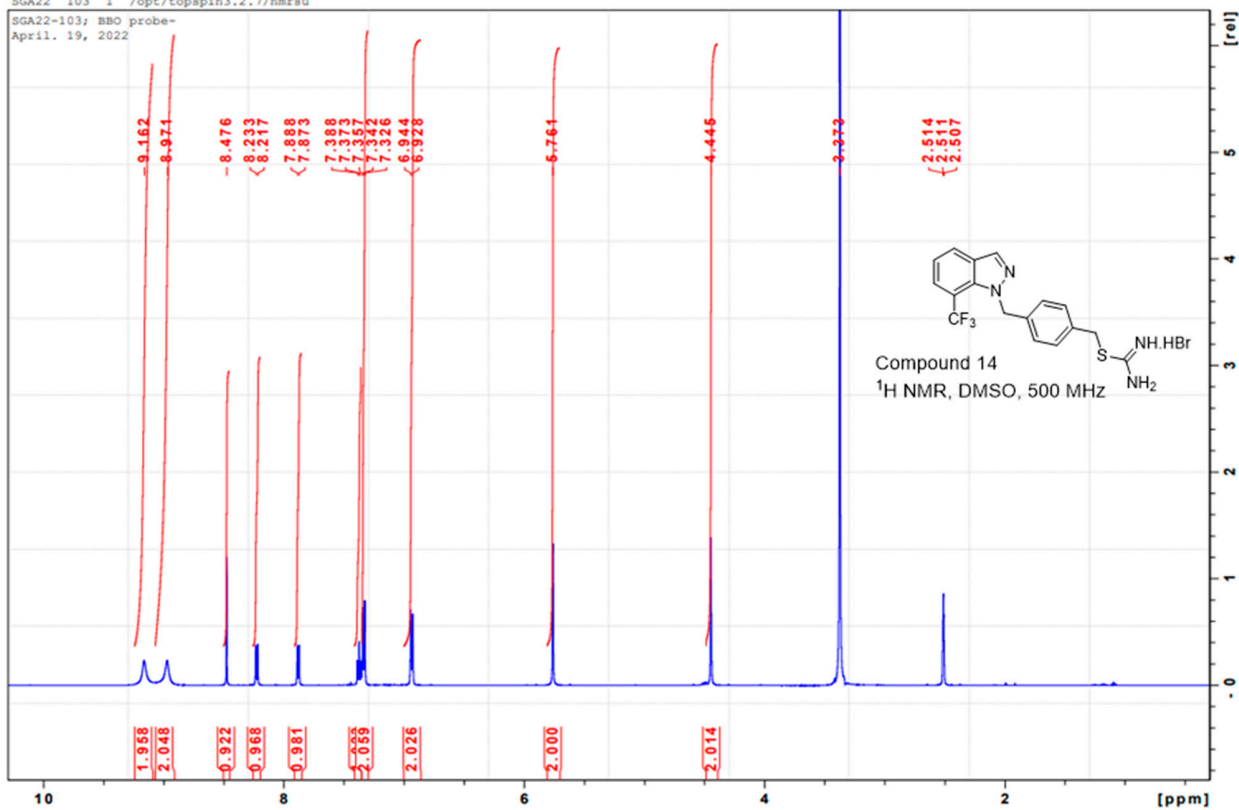


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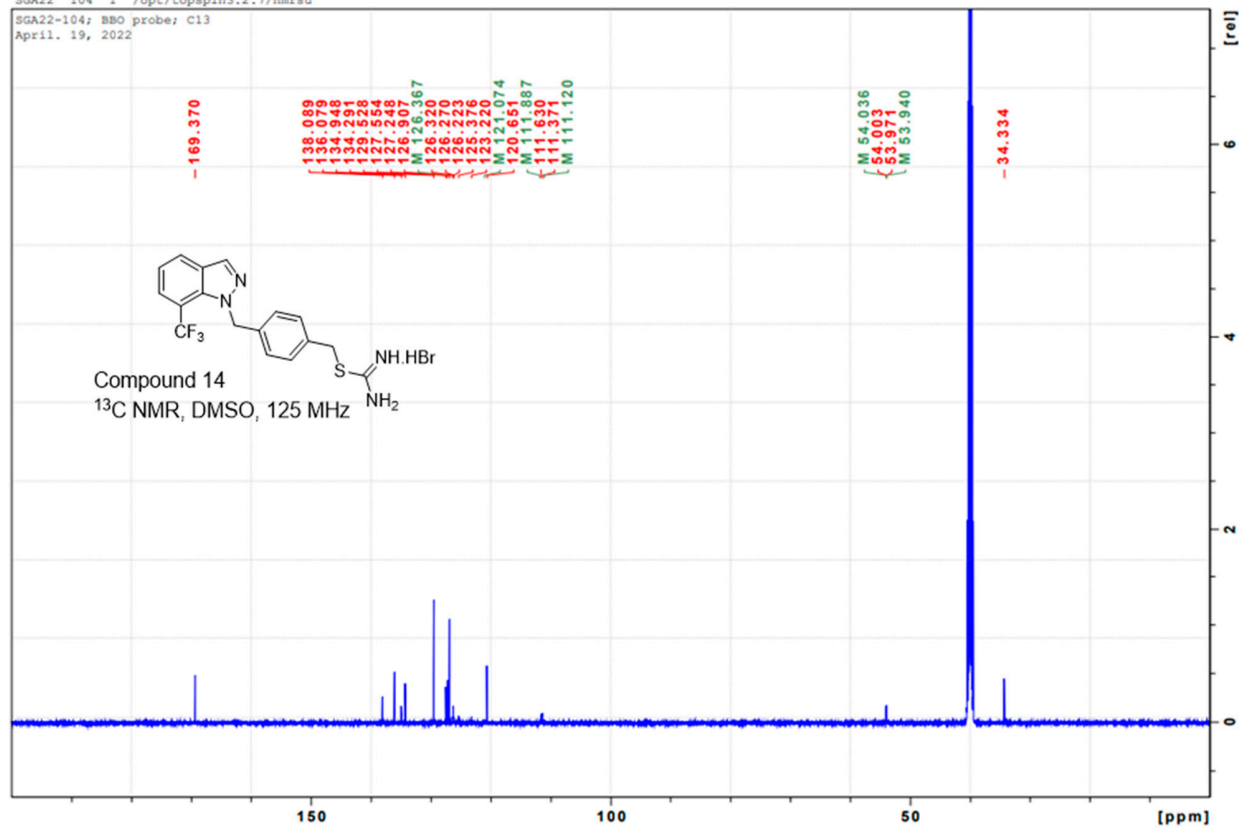
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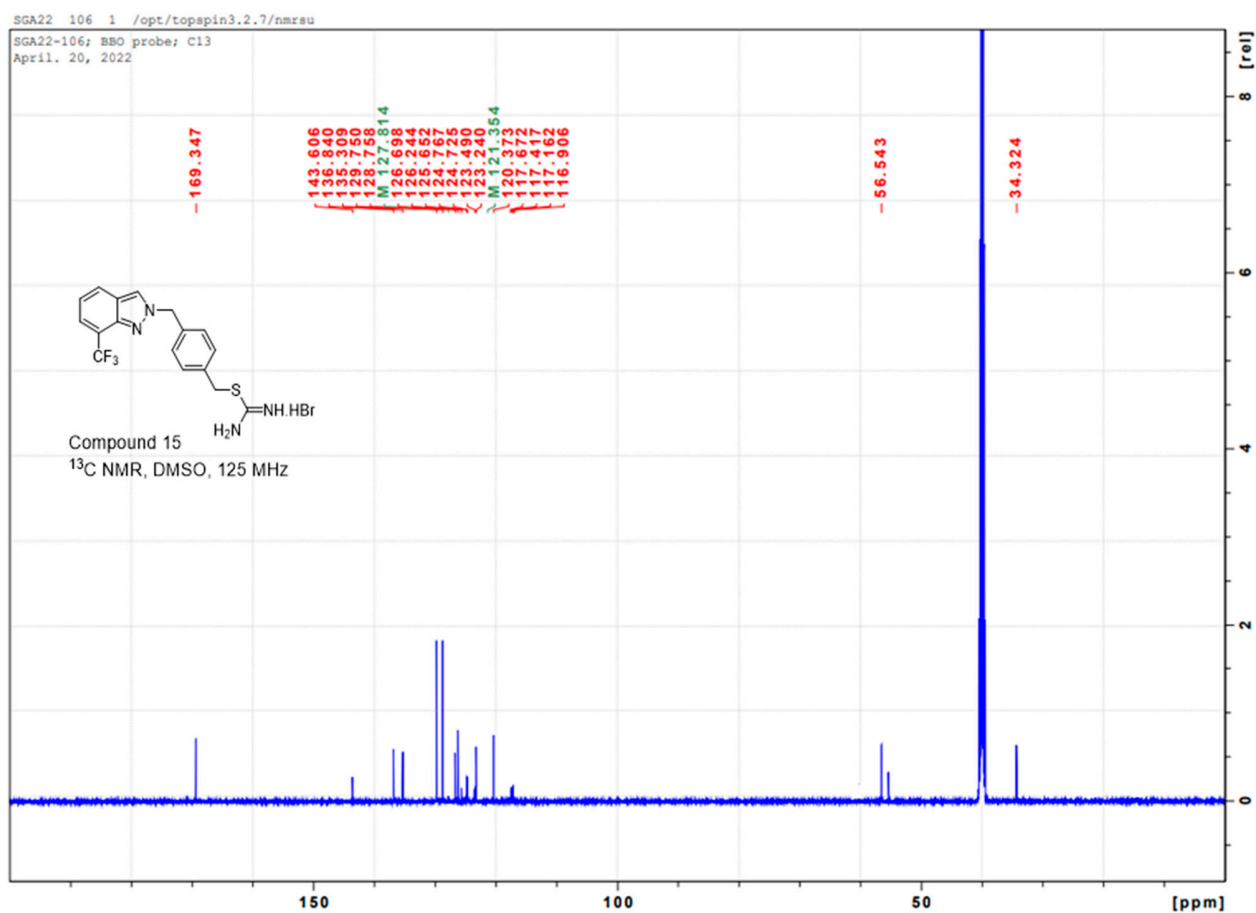
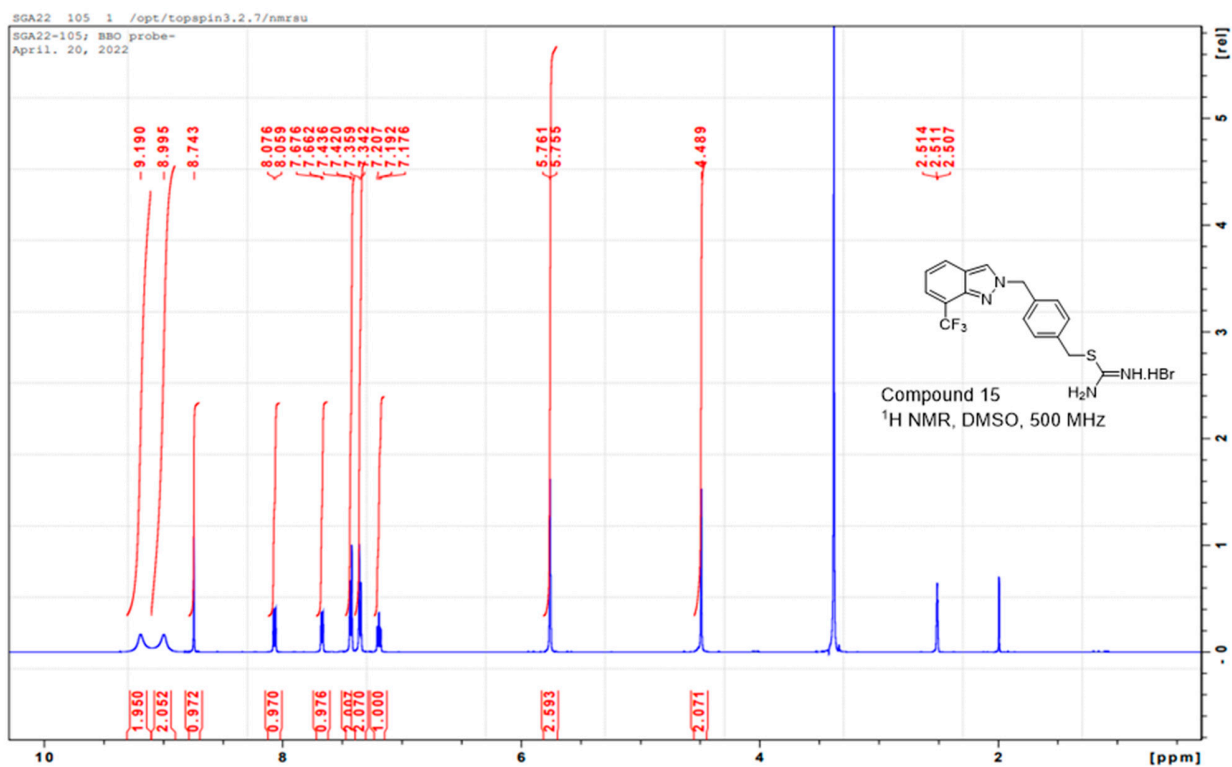


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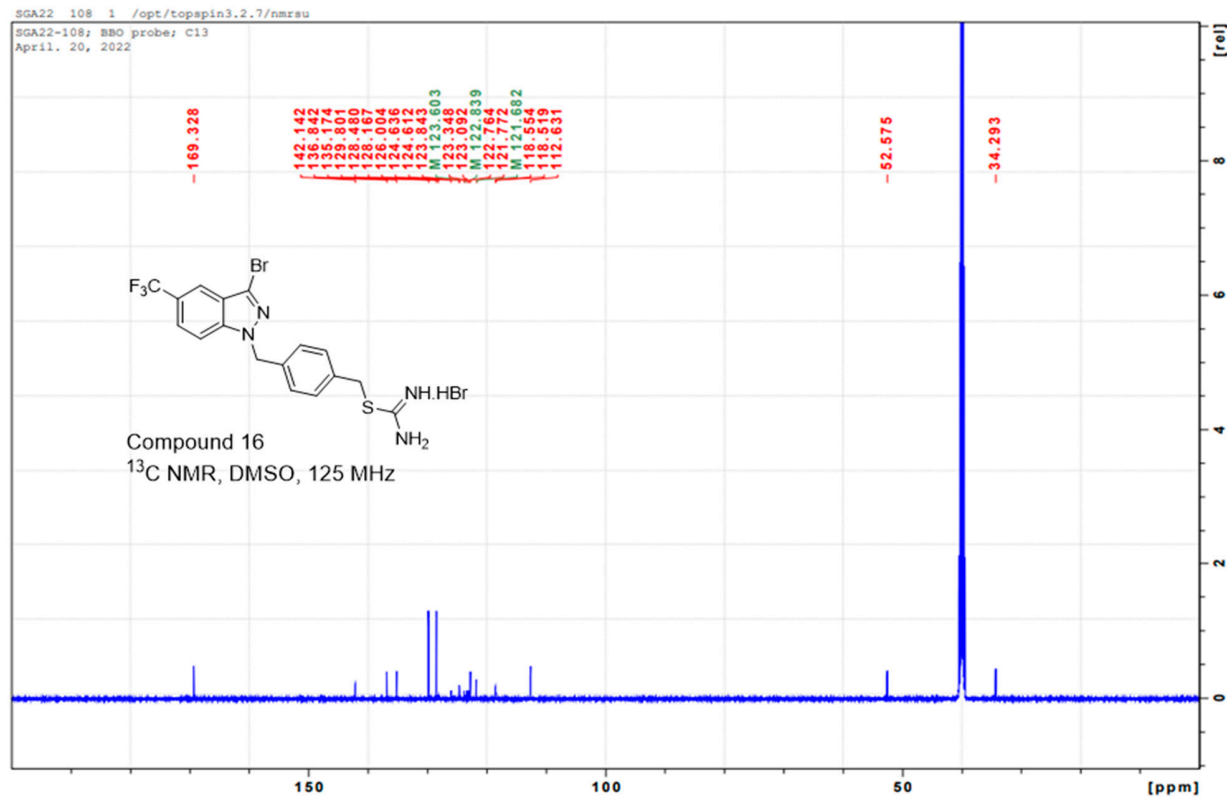
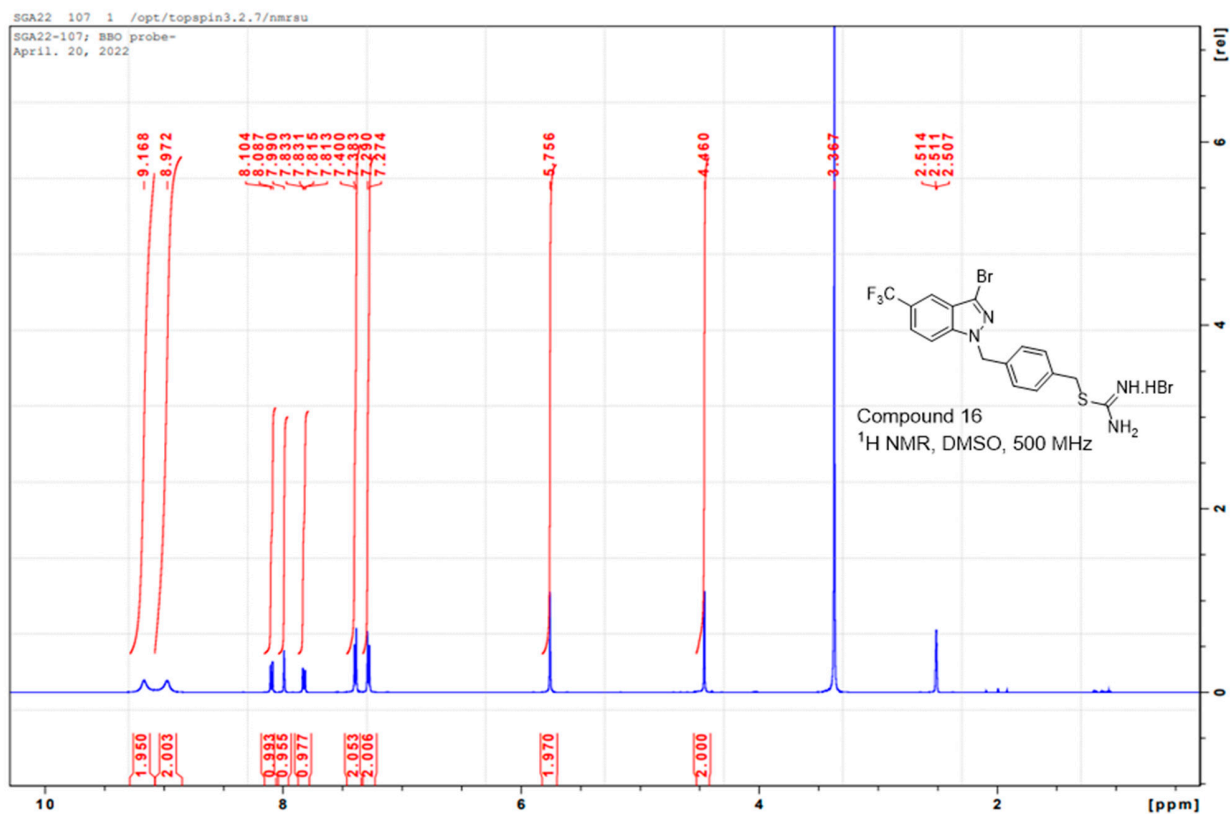
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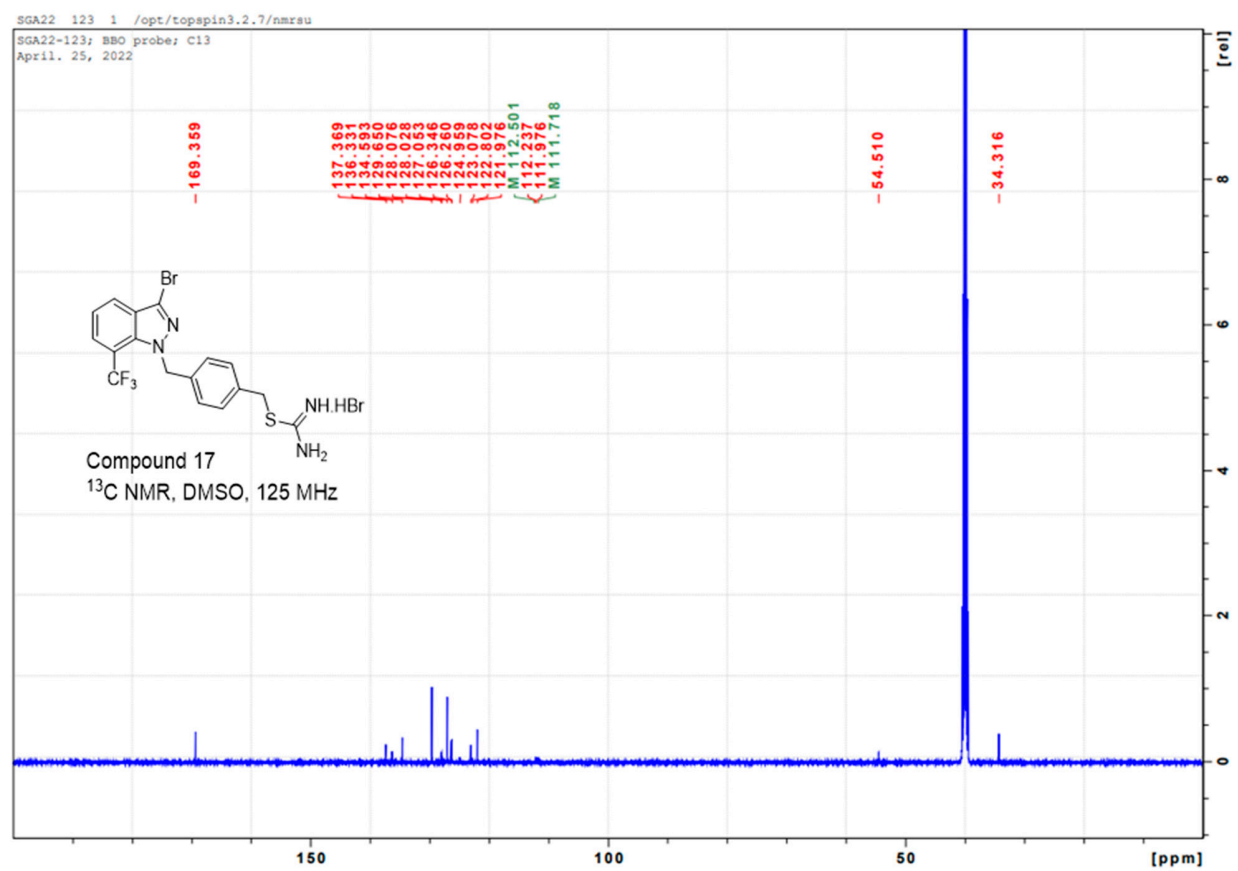
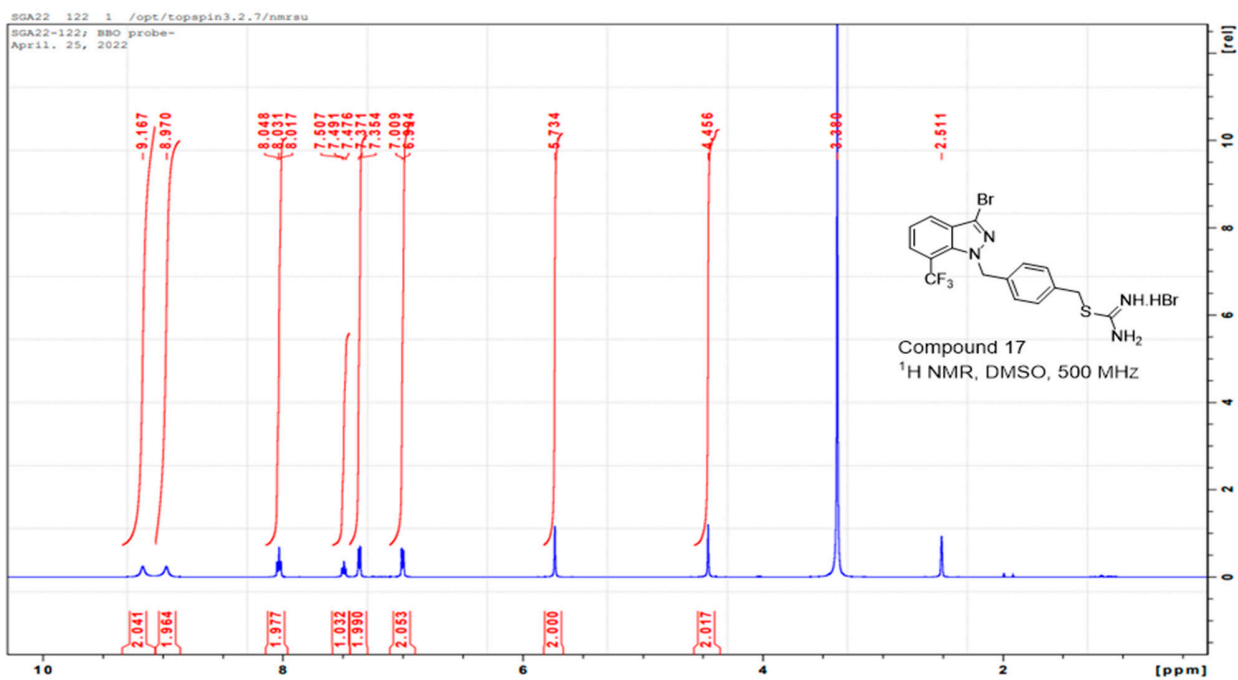


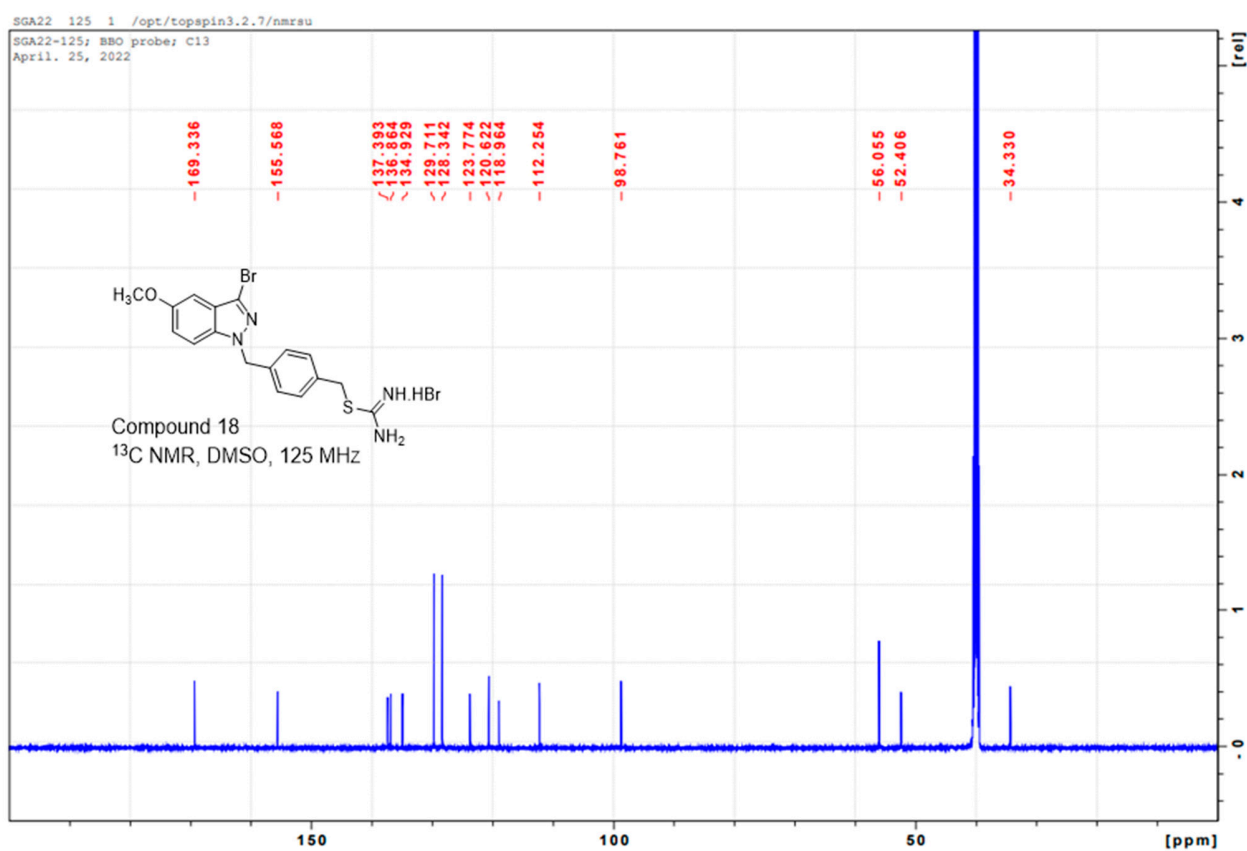
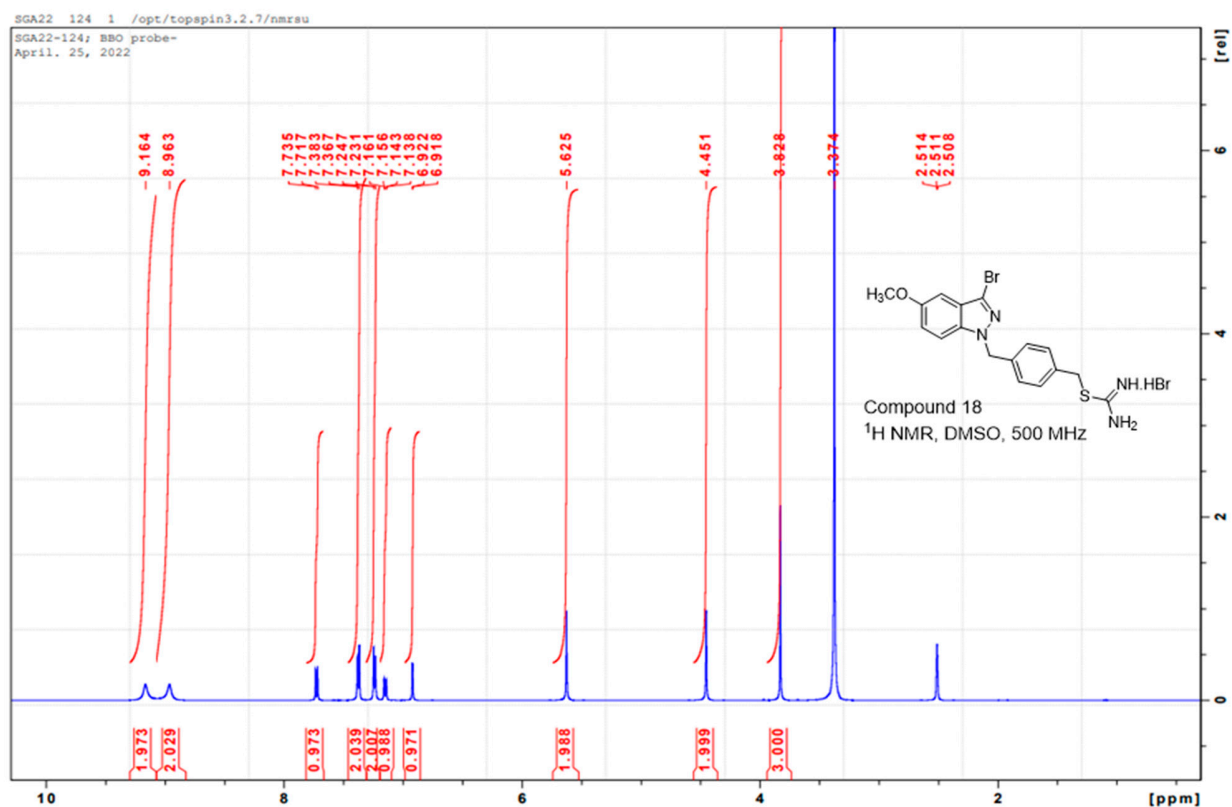






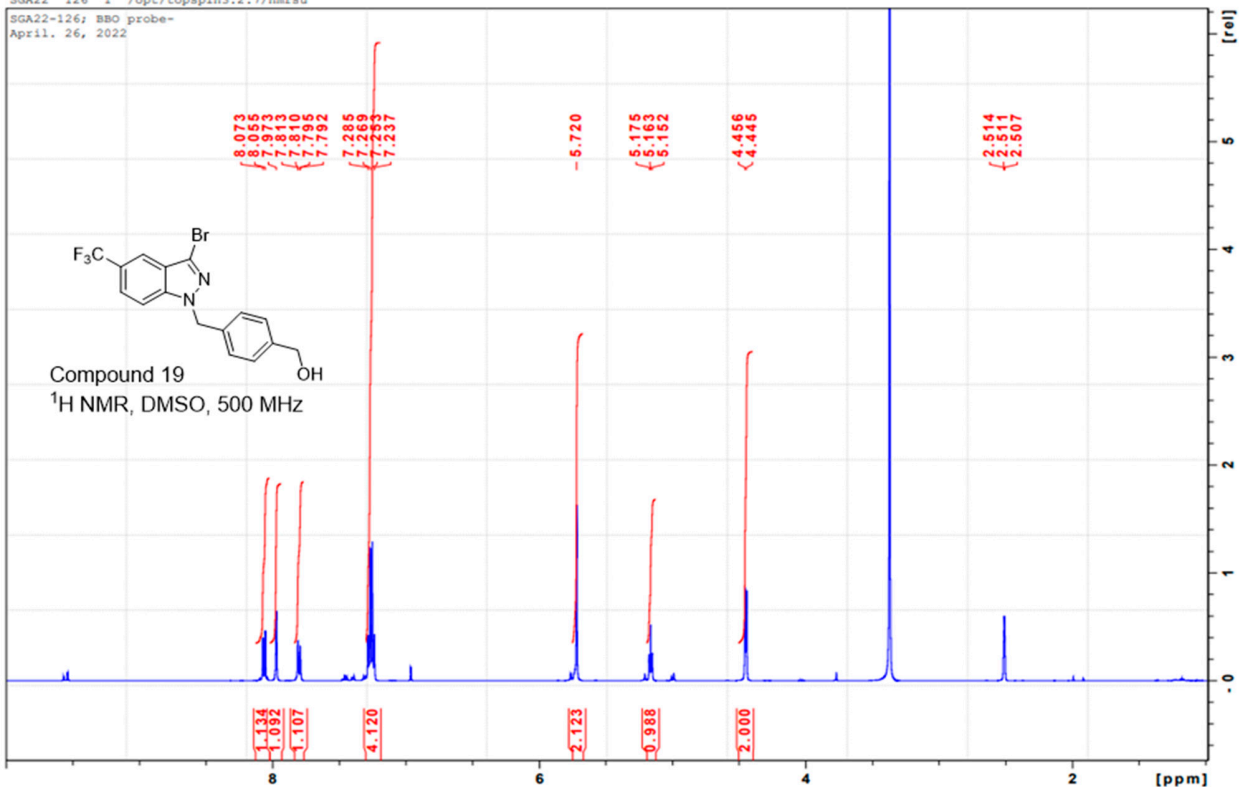






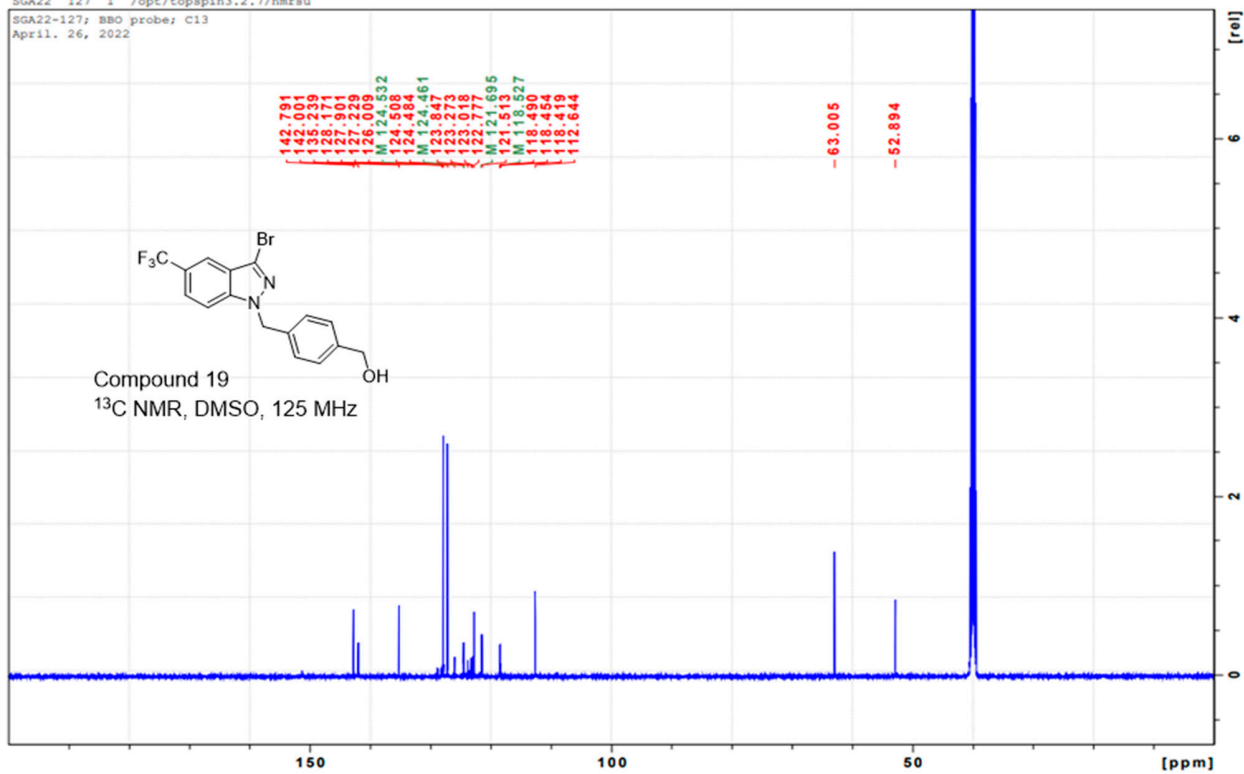
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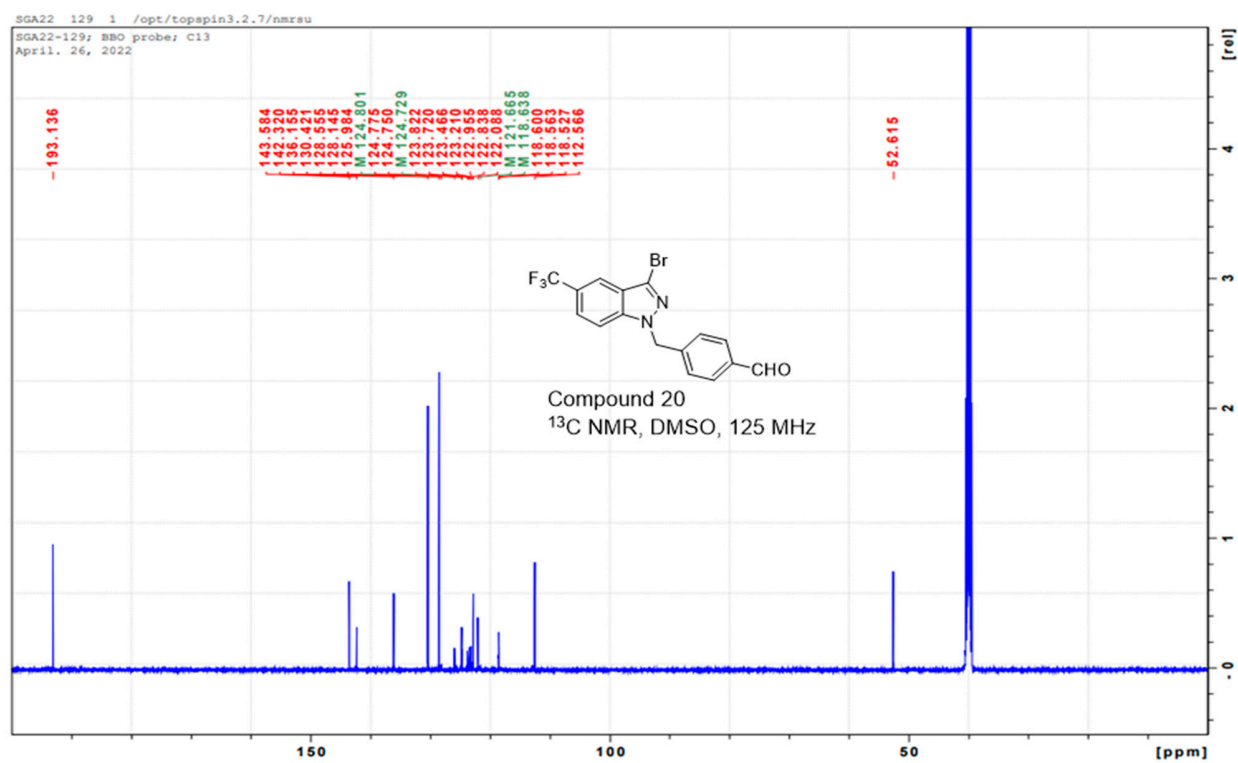
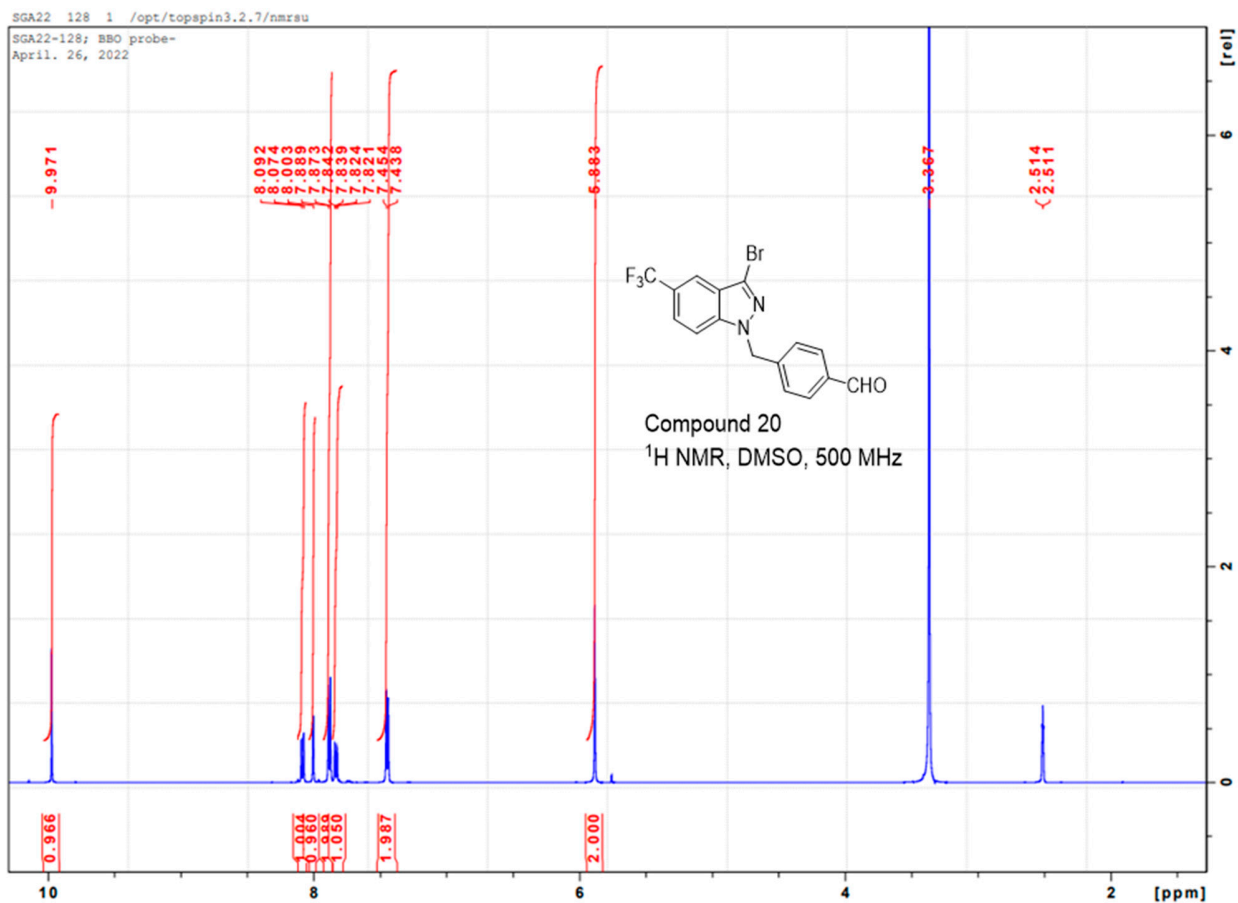
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April. 26, 2022



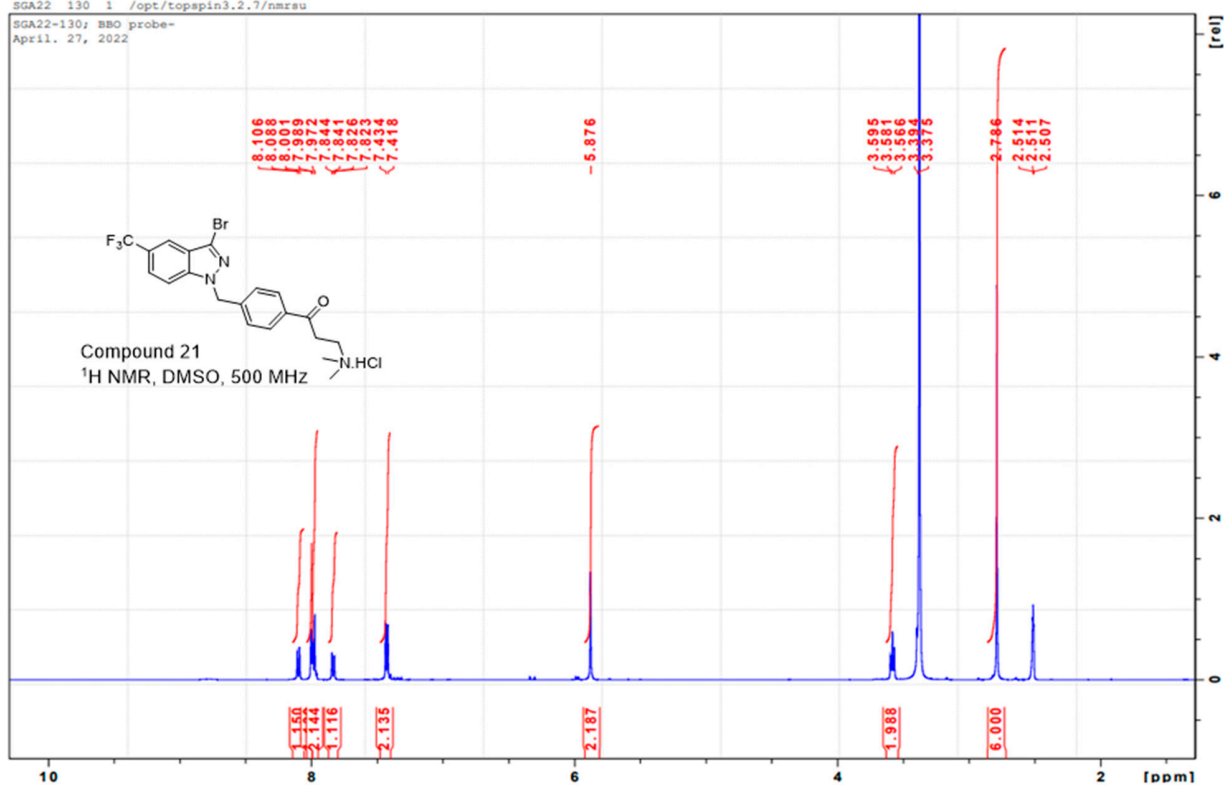
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April. 26, 2022





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 April. 27, 2022



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