

# Supporting information

## A New Mild Method for Synthesis of Marine Alkaloid Fascaplysin and Its Therapeutically Promising Derivatives

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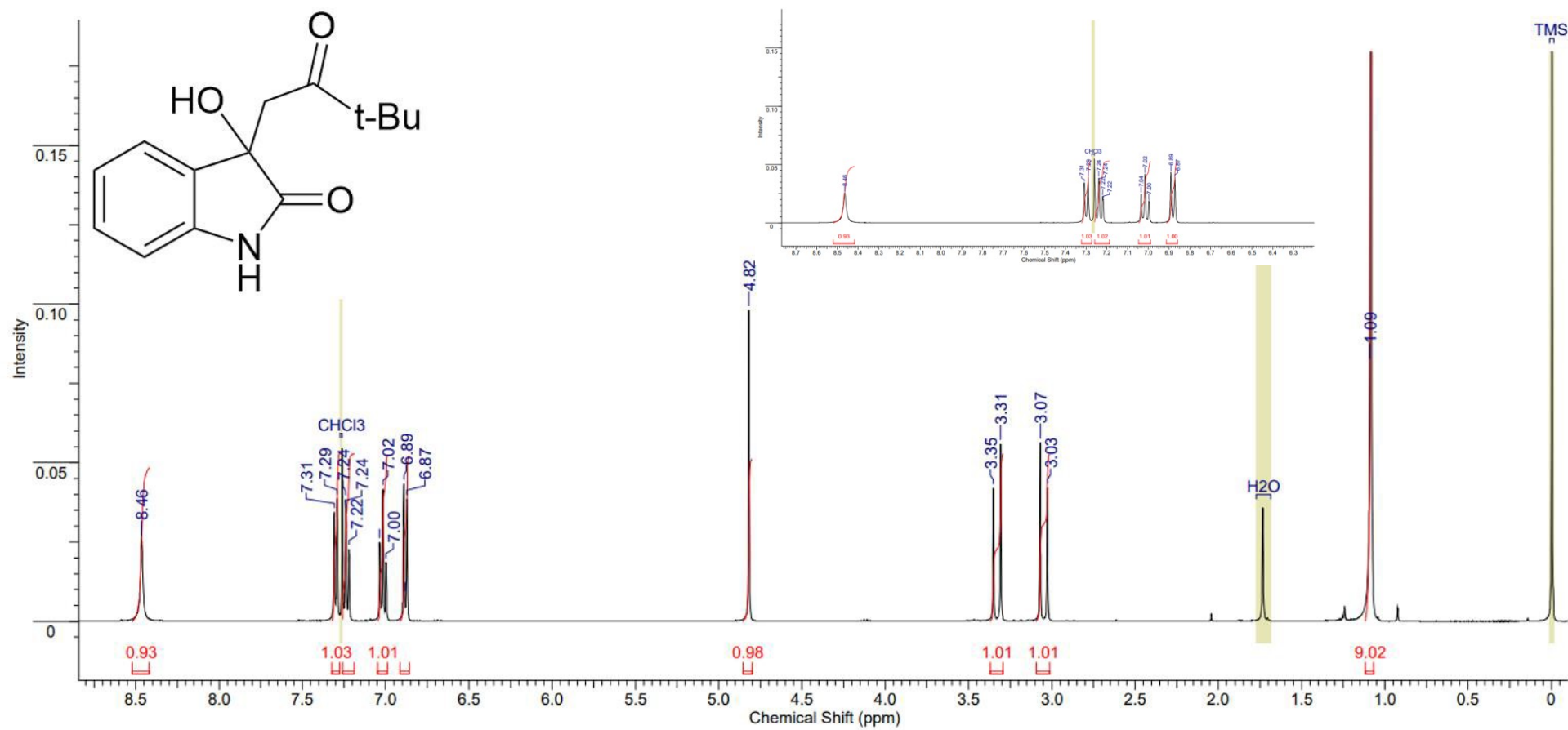
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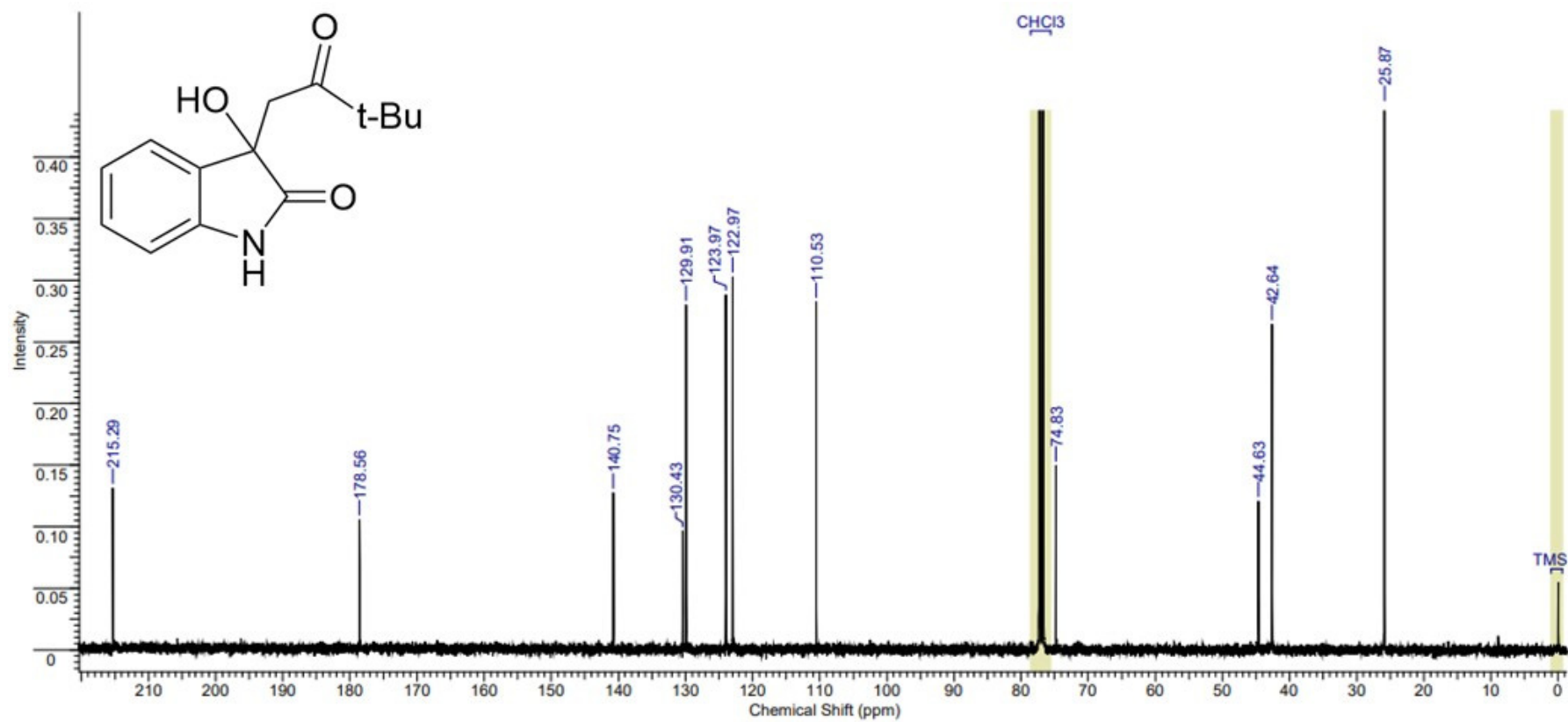
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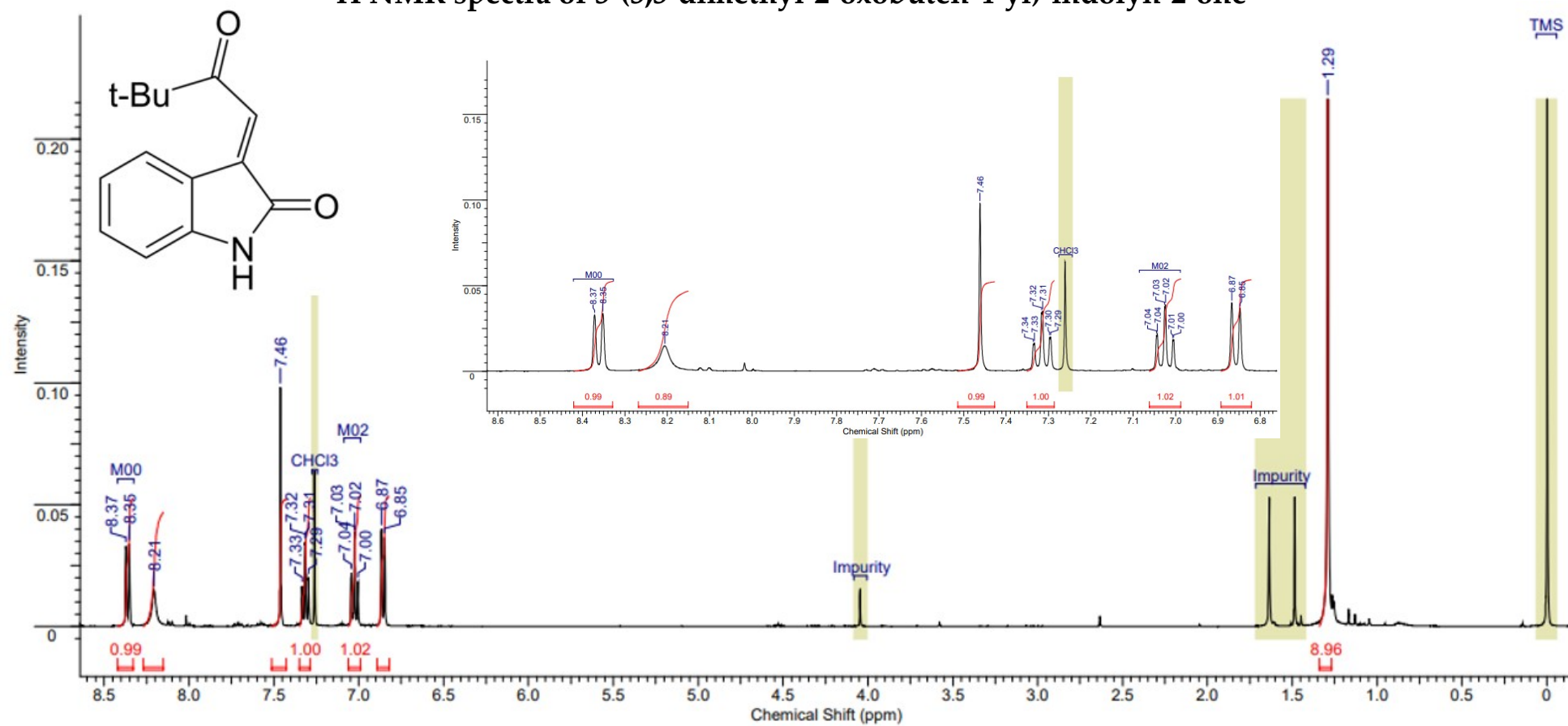
### $^1\text{H}$ NMR spectra of 3-(3,3-dimethyl-2-oxobutyl)-3-hydroxyindolin-2-one



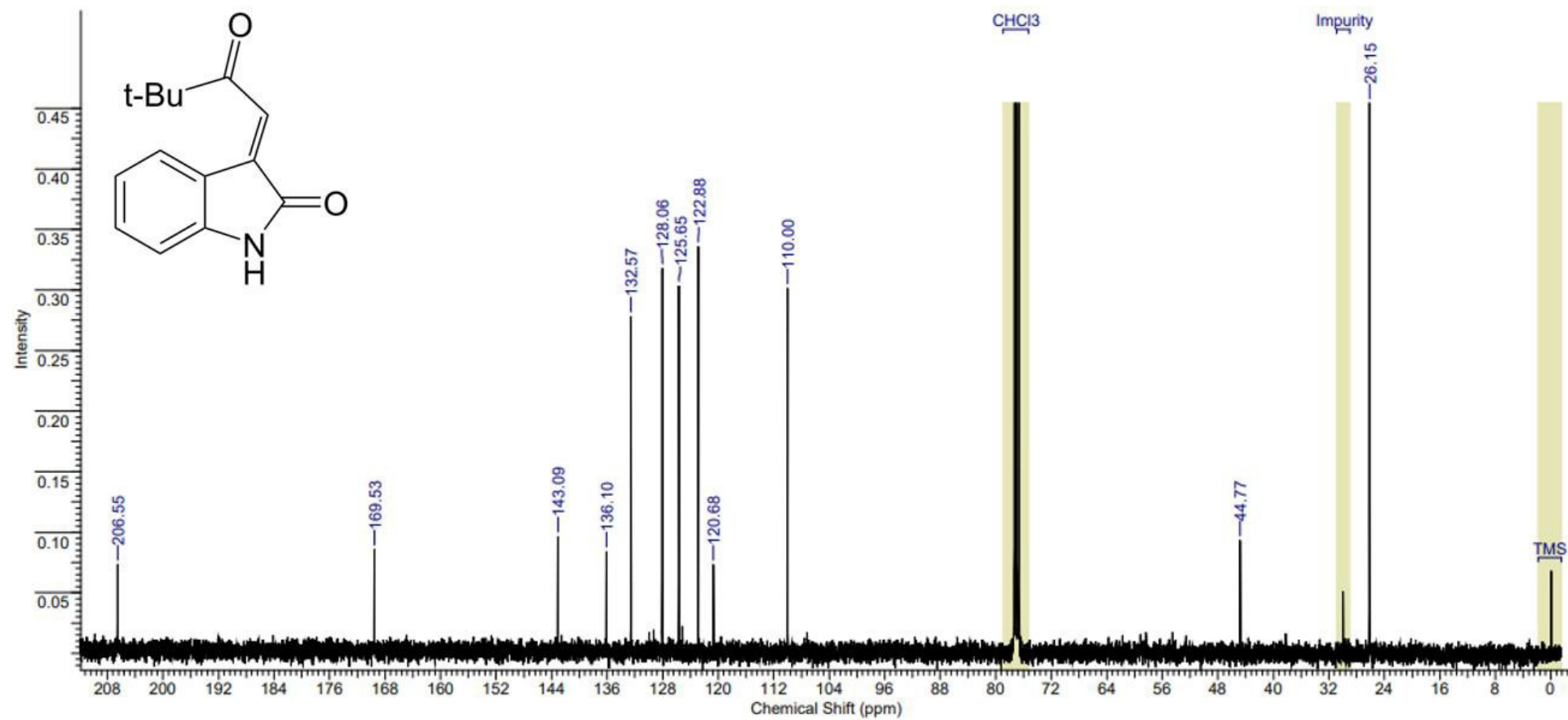
<sup>13</sup>C NMR spectra of 3-(3,3-dimethyl-2-oxobutyl)-3-hydroxyindolin-2-one



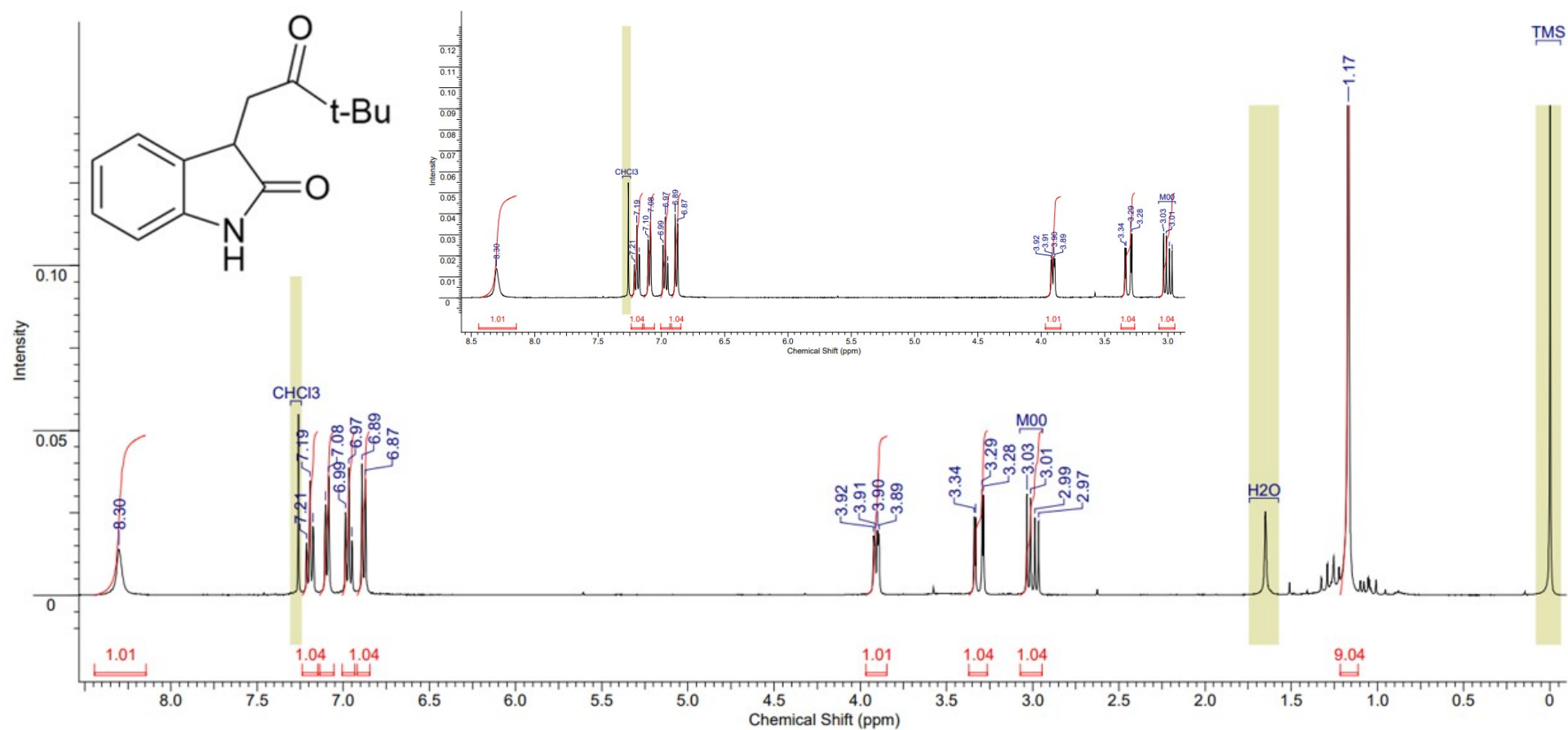
# <sup>1</sup>H NMR spectra of 3-(3,3-dimethyl-2-oxobuten-4-yl)-indolyn-2-one



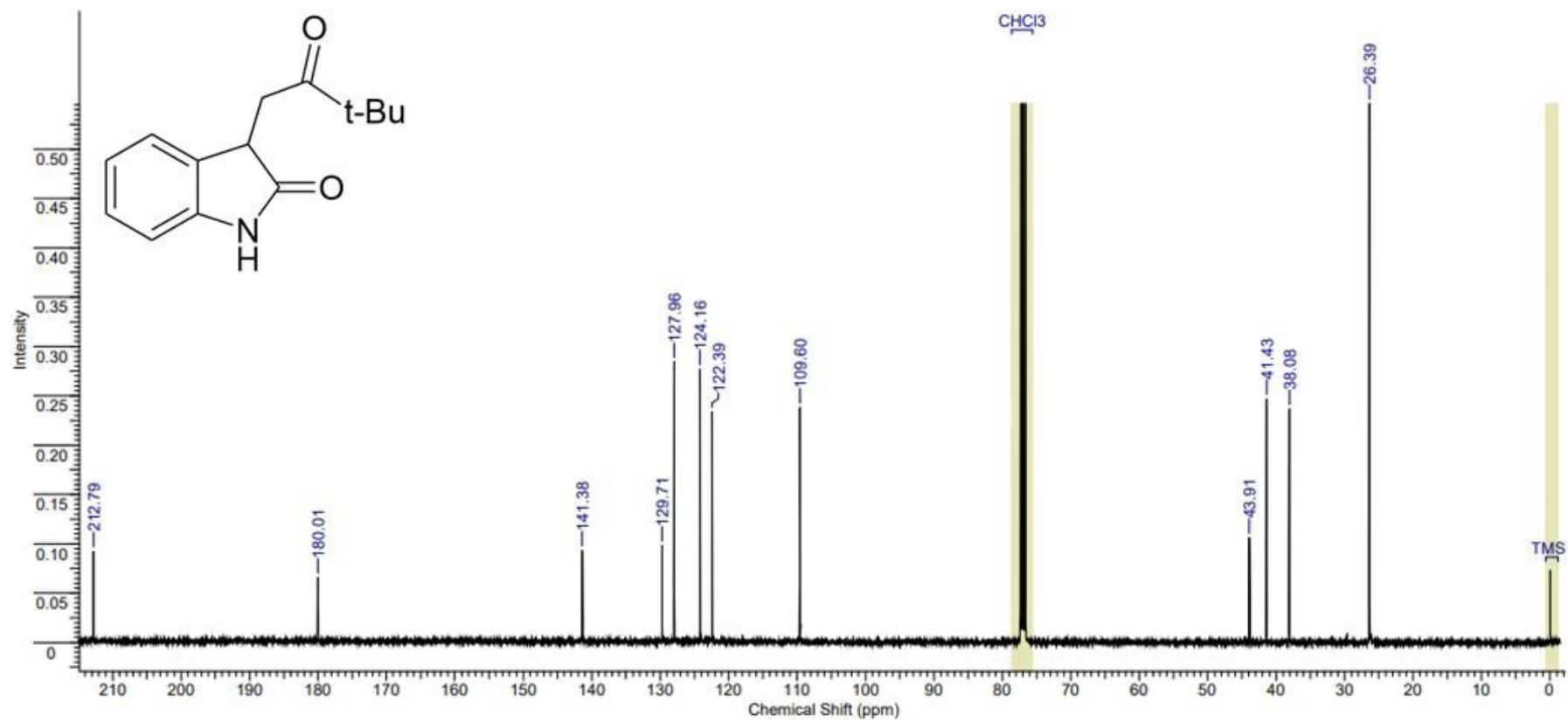
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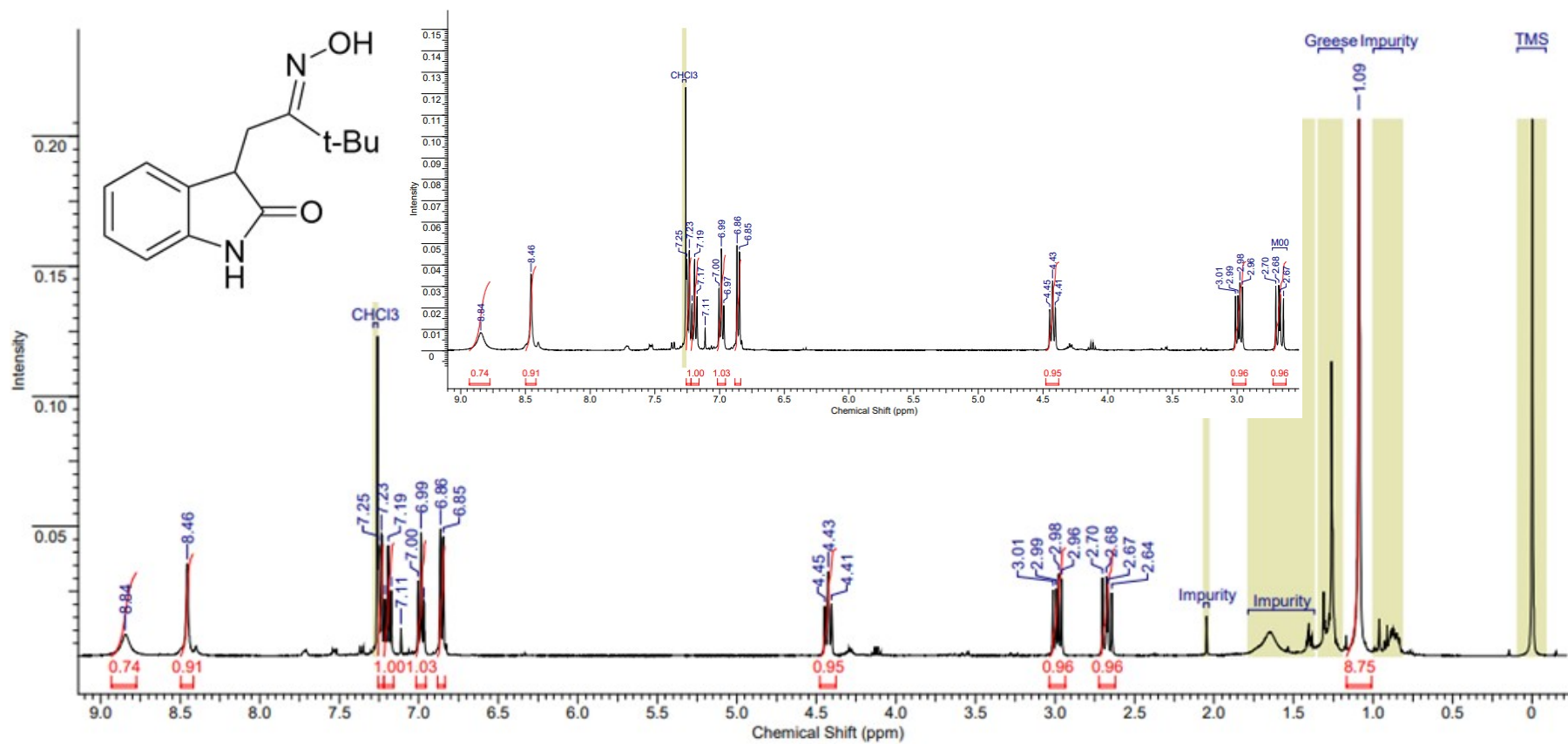


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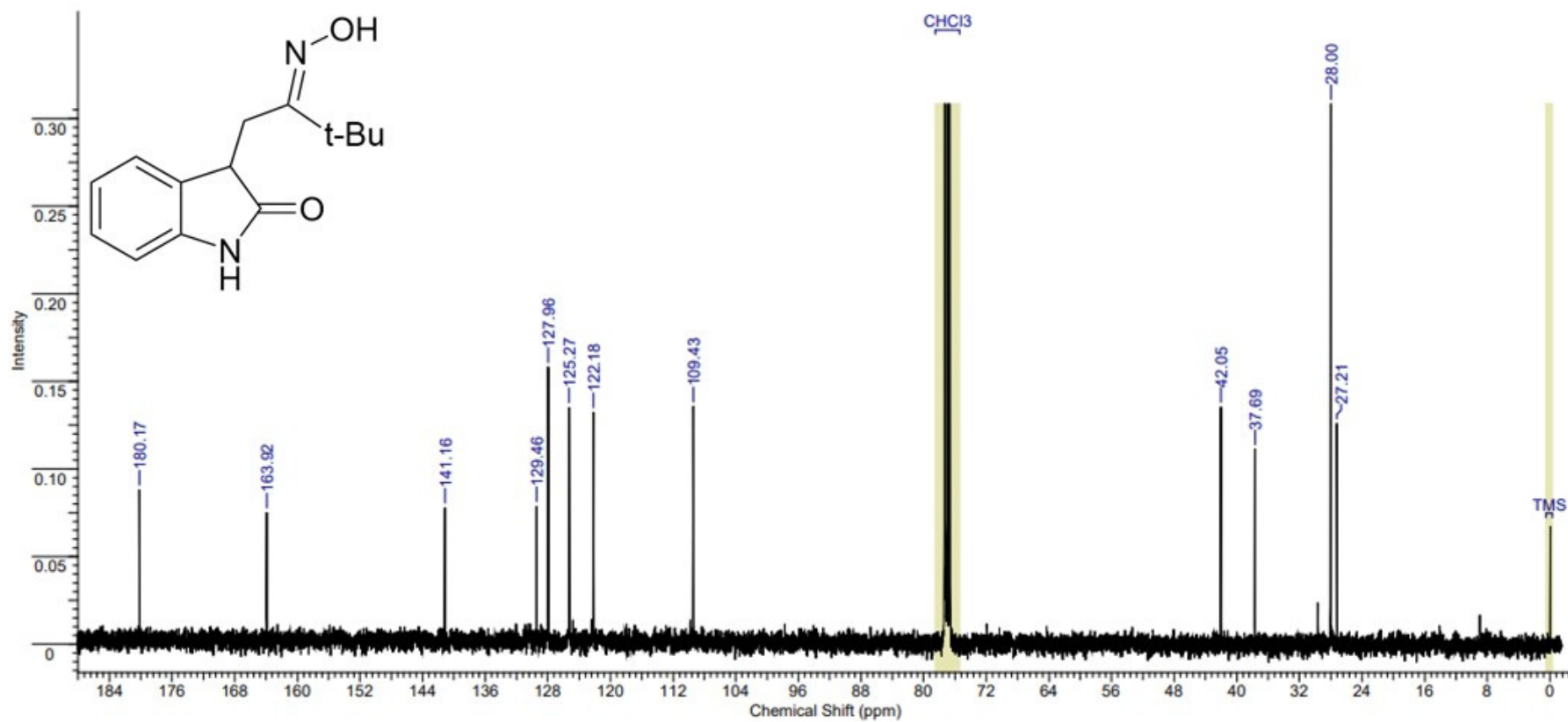




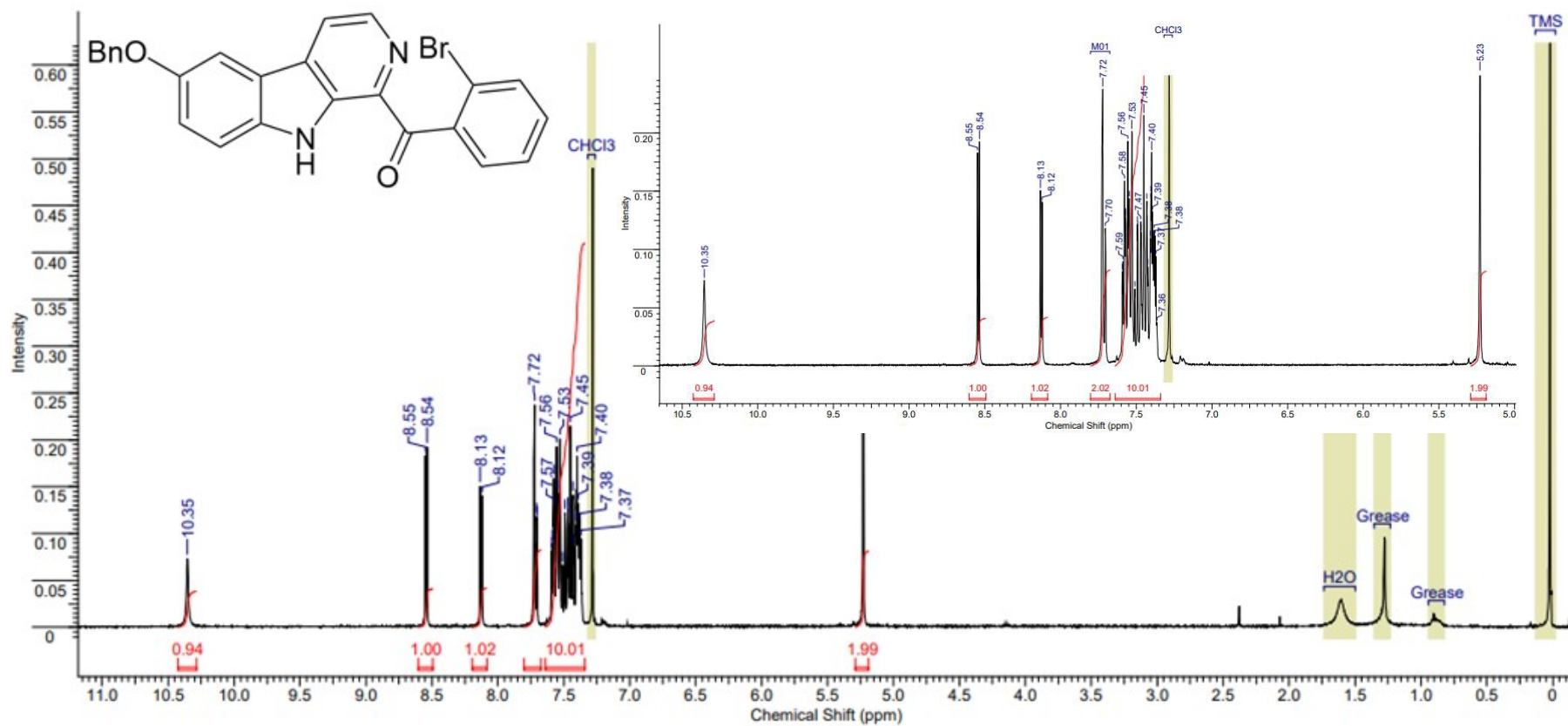
# <sup>1</sup>H NMR spectra of 3-(2-(hydroxyamino)-3,3-dimethylbutyl)-indolyn-2-one



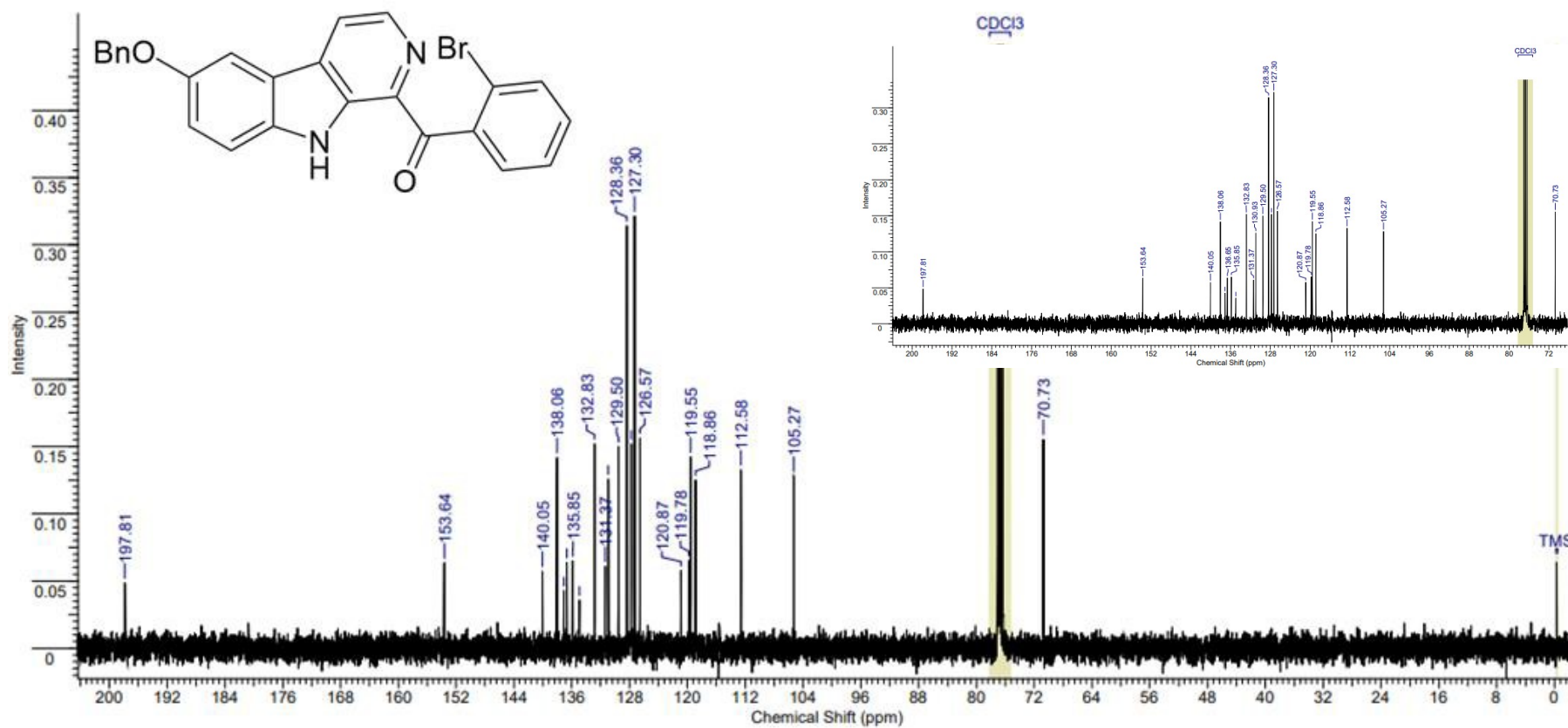
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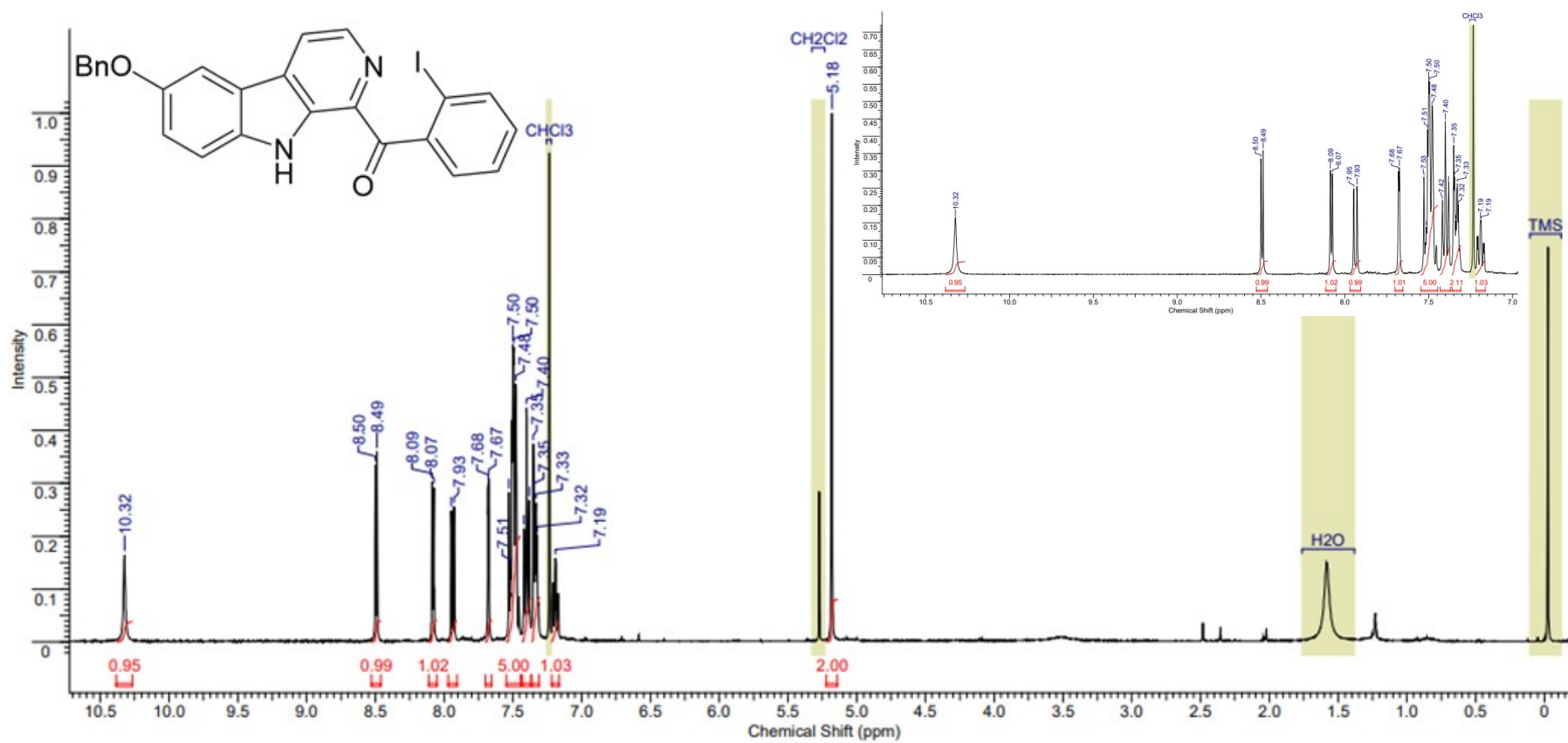
# <sup>1</sup>H NMR spectra of 1-(2'-bromobenzoyl)-6-benzyloxy-β-carboline



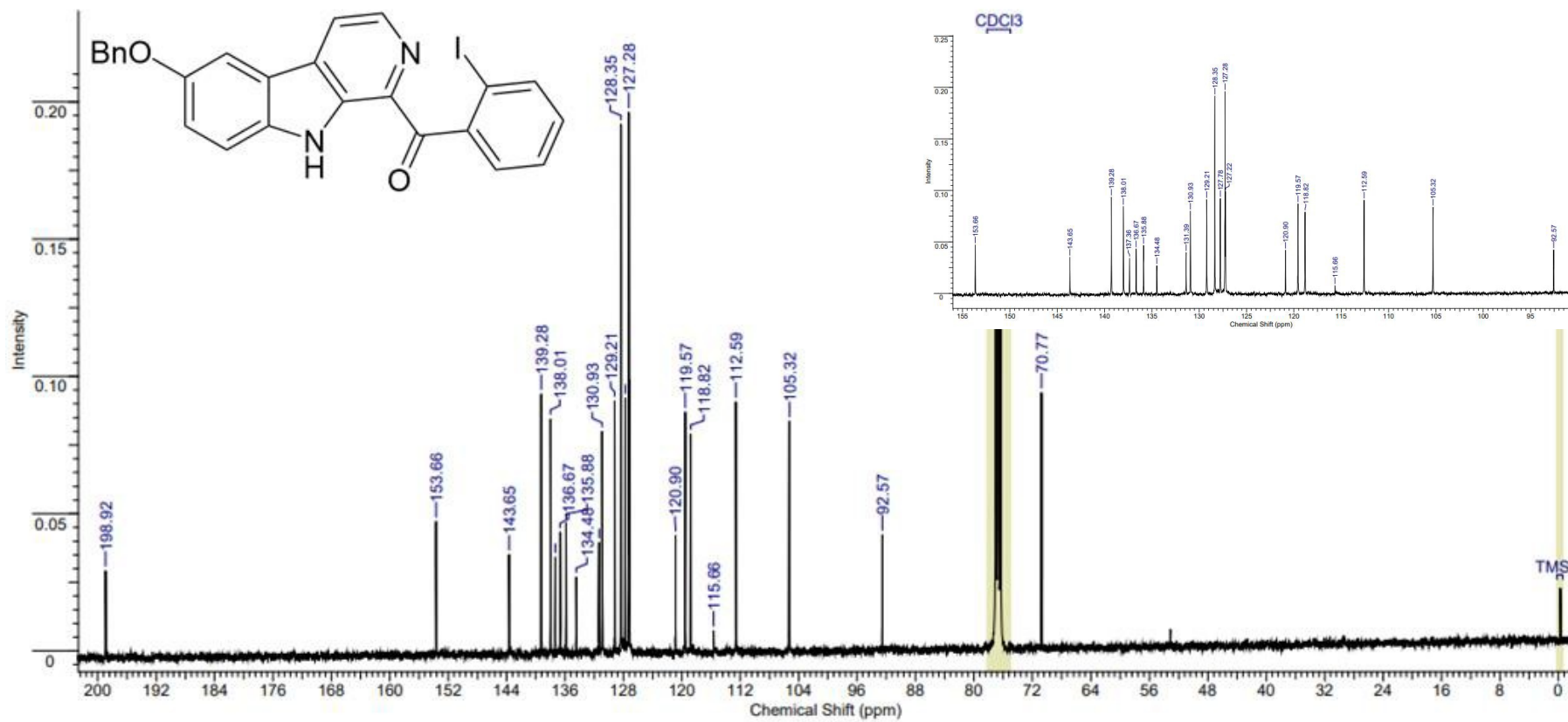
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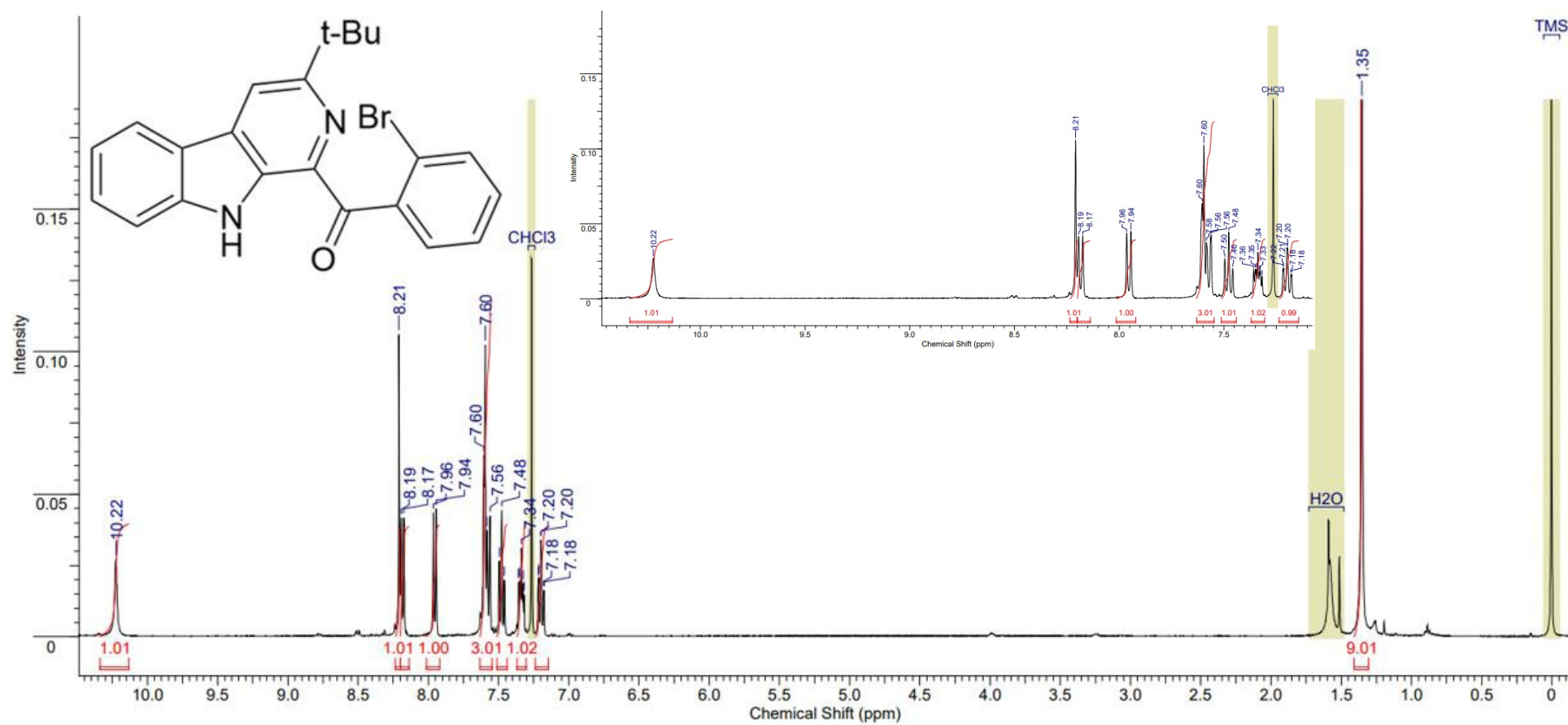
# <sup>1</sup>H NMR spectra of 1-(2'-iodobenzoyl)-6-benzyloxy-β-carboline



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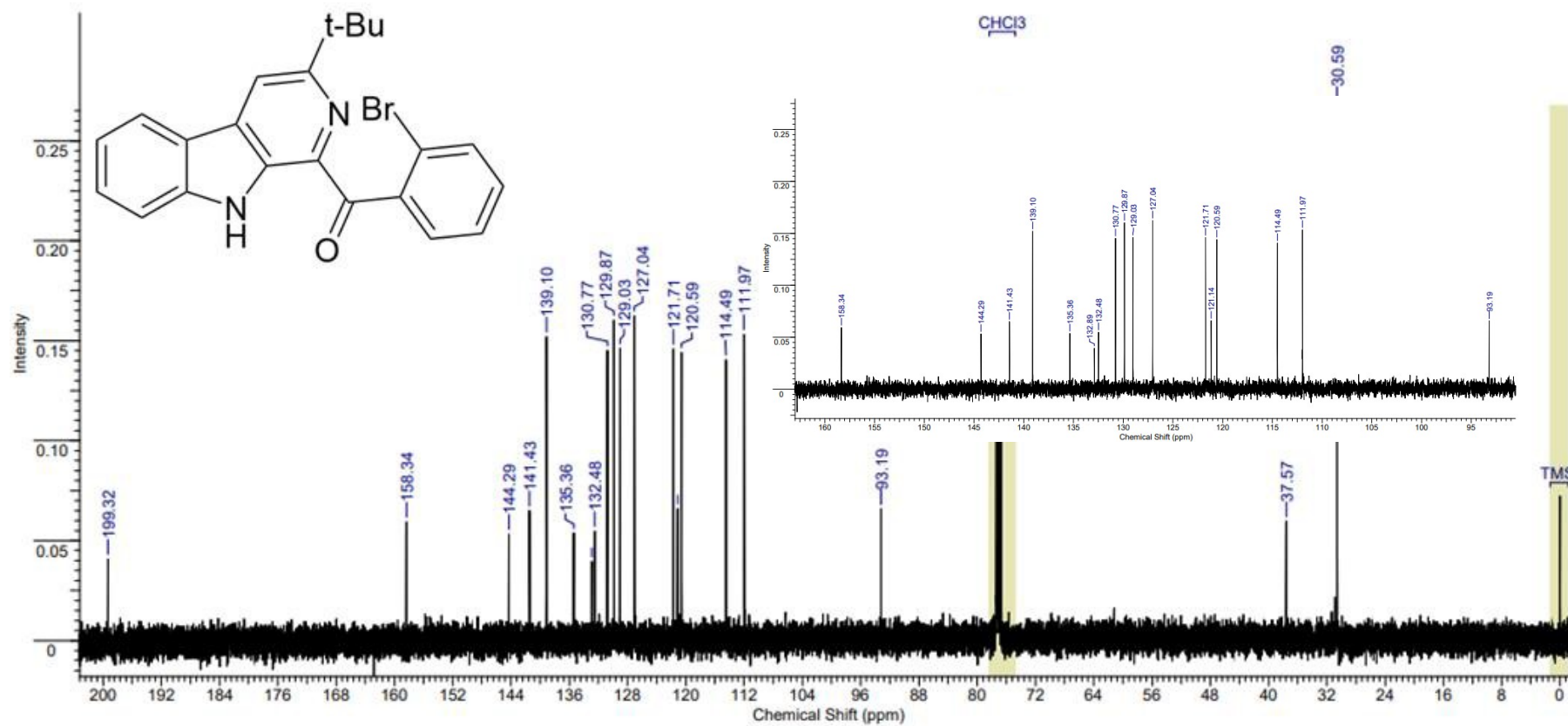


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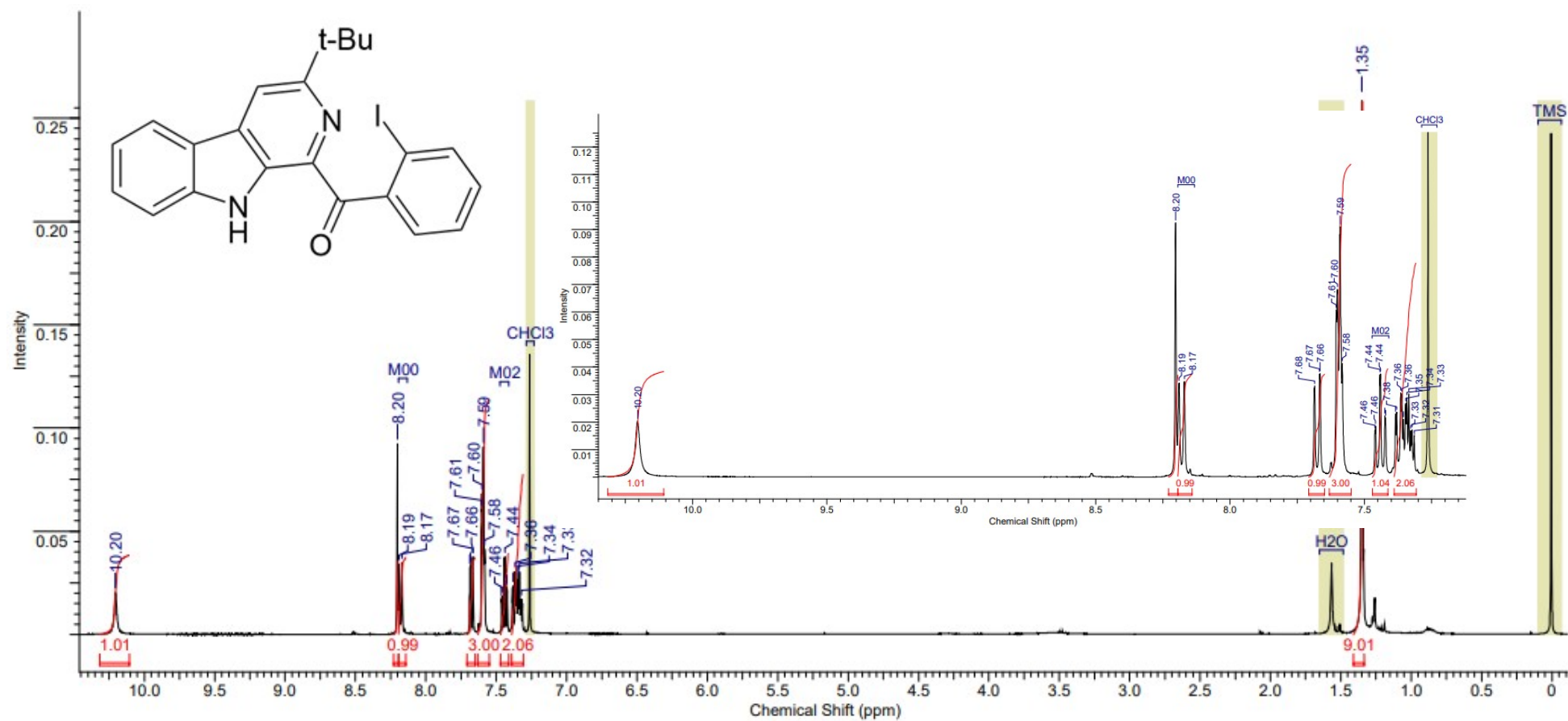


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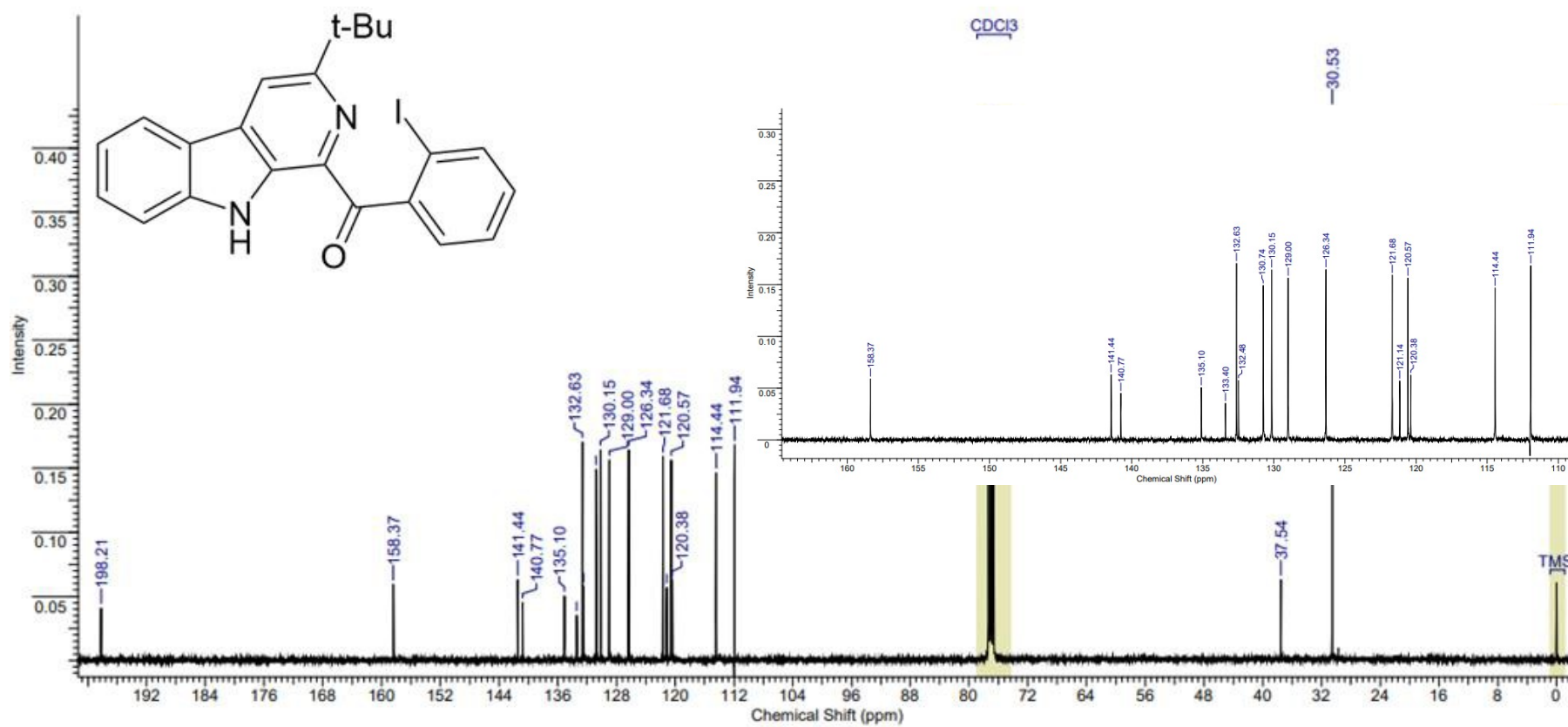




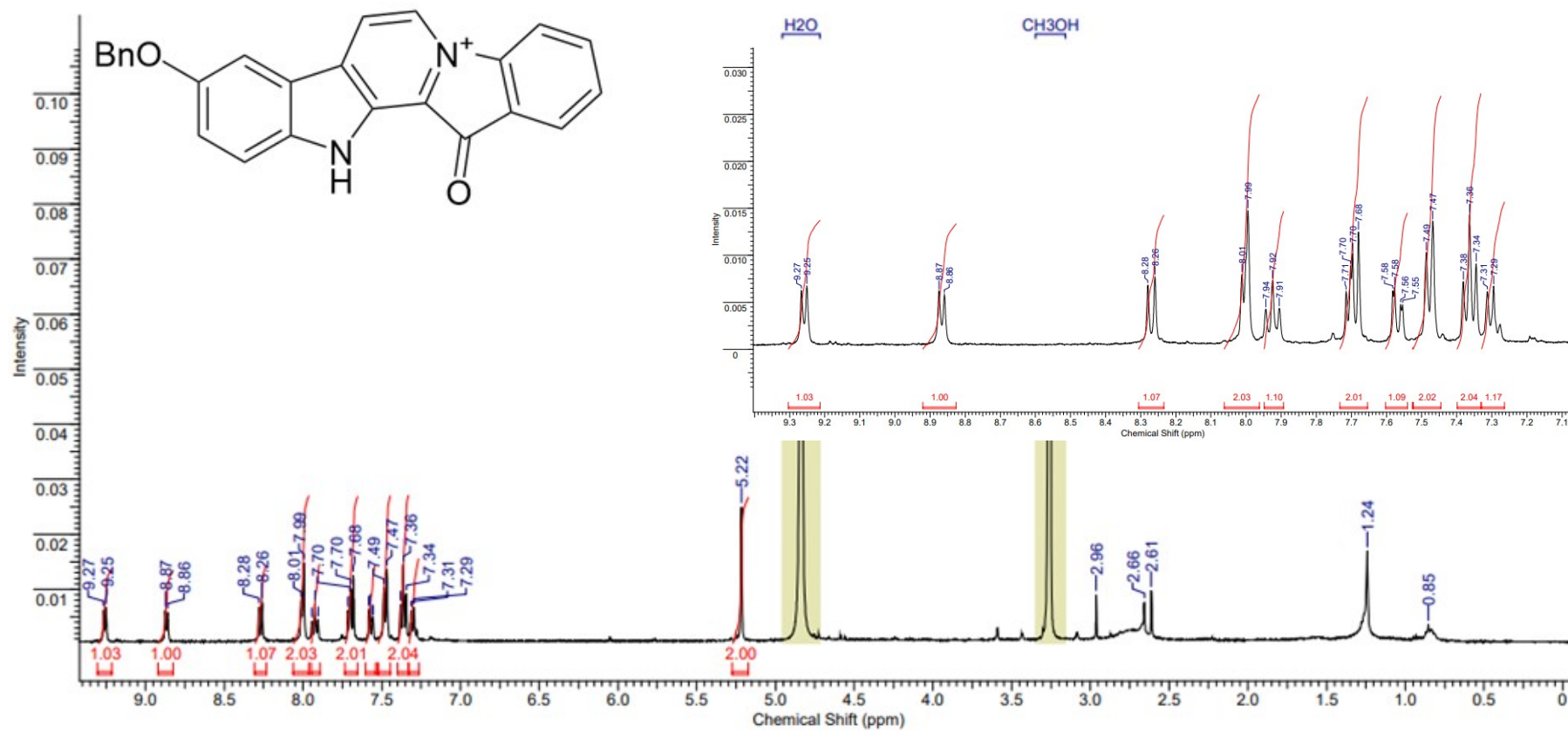
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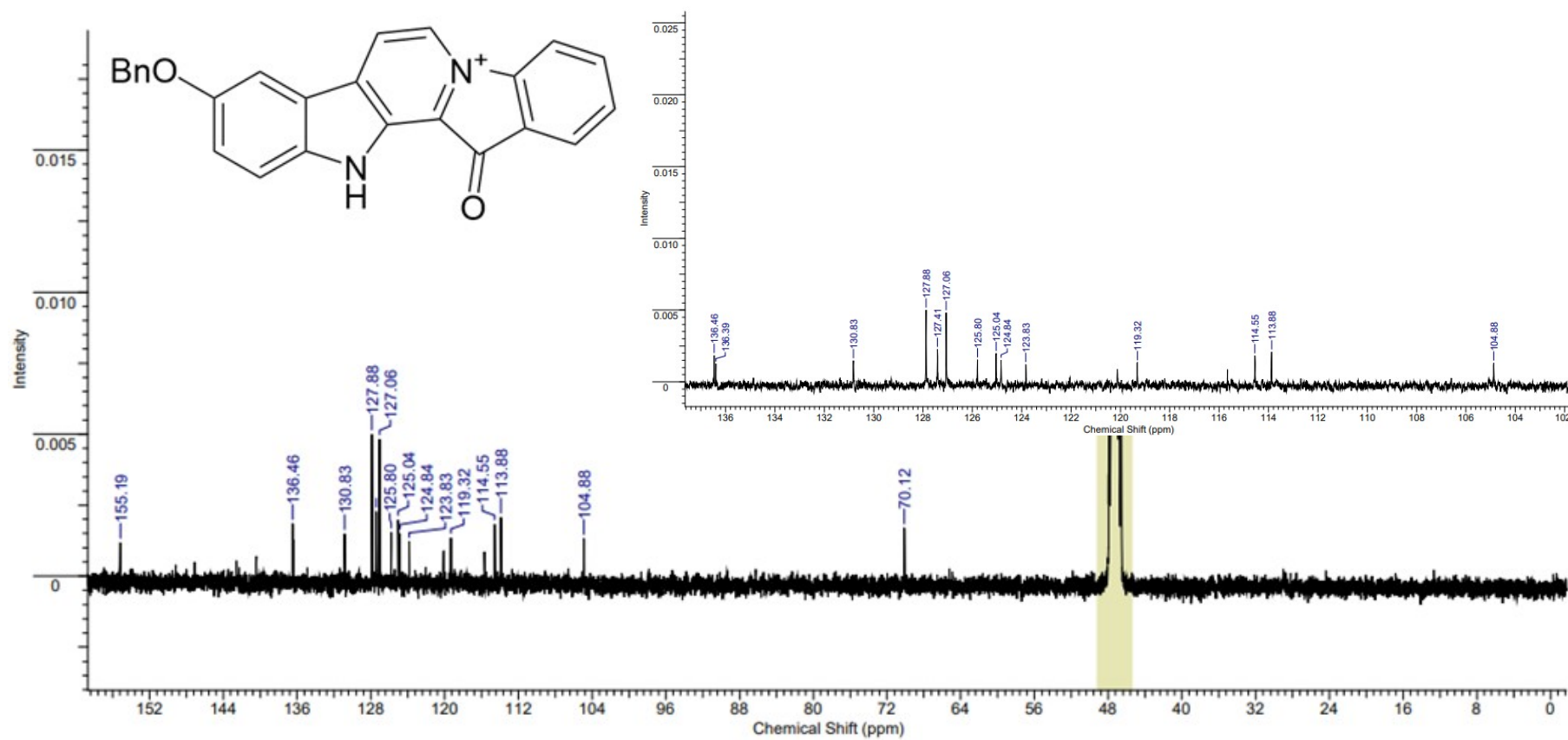
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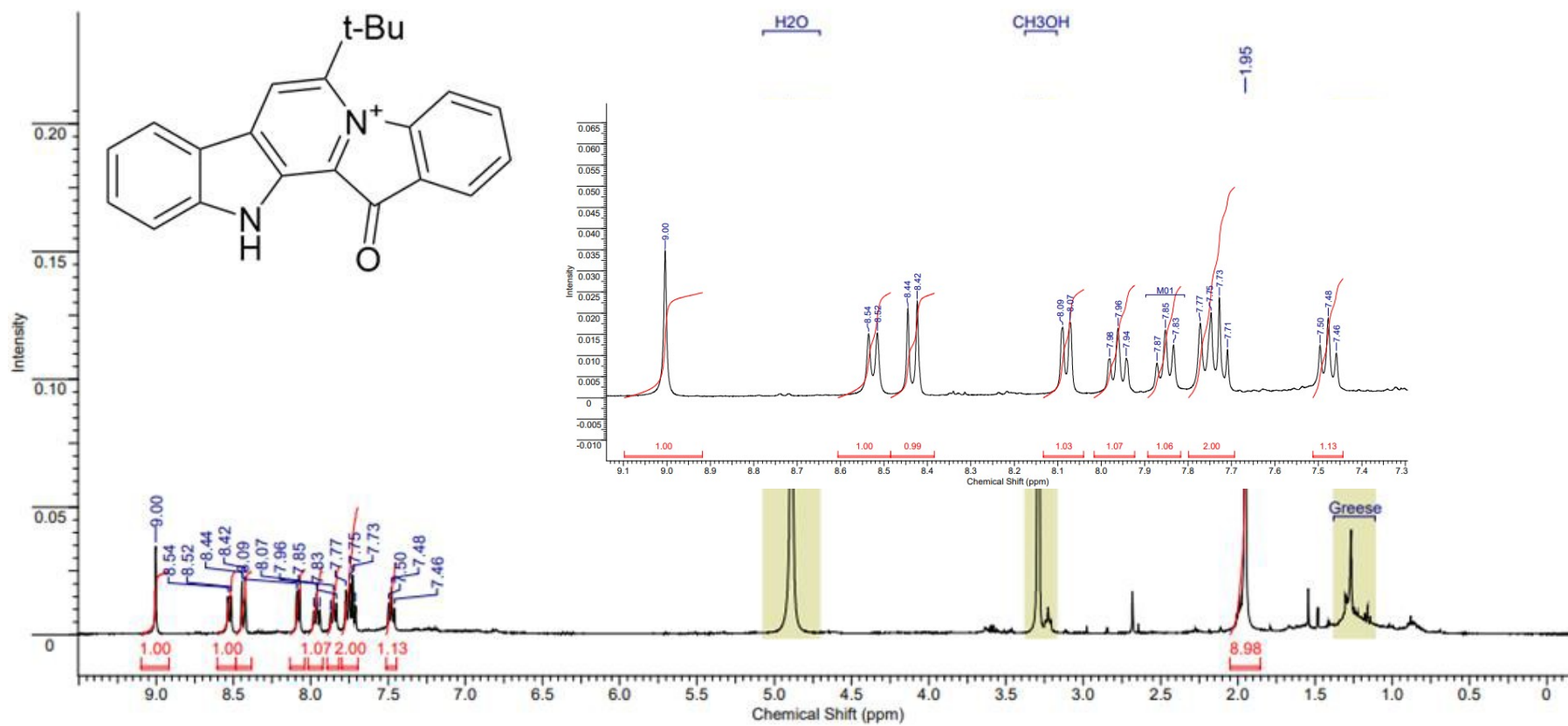
# <sup>1</sup>H NMR spectra of 12,13-dihydro-9-benzyloxy-13-oxopyrido[1,2-a:3,4-b']diindol-5-ium



**$^{13}\text{C}$  NMR spectra of 12,13-dihydro-9-benzyloxy-13-oxopyrido[1,2-a:3,4-b']diindol-5-ium**



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