

**Supporting Information to:**

## **Synthesis and Spectroscopic Characterization of Cannabinolic Acid**

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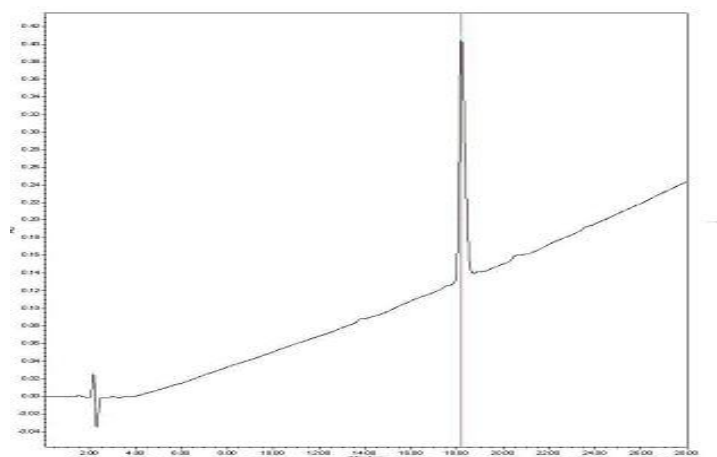


Figure 1S HPLC trace of CBNA (228 nm).

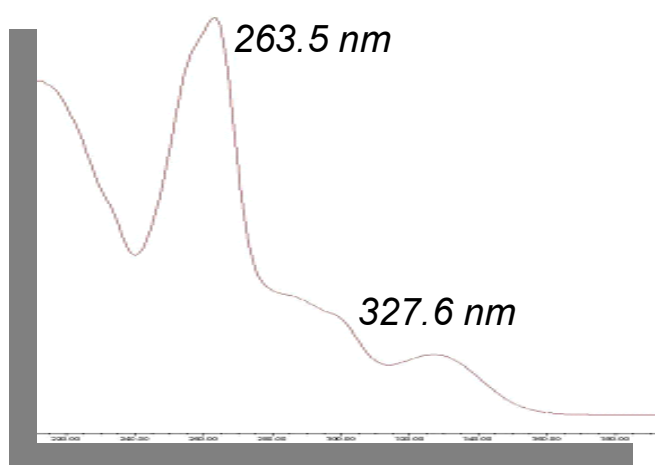


Figure 2S (HPLC)-UV spectrum of CBNA.

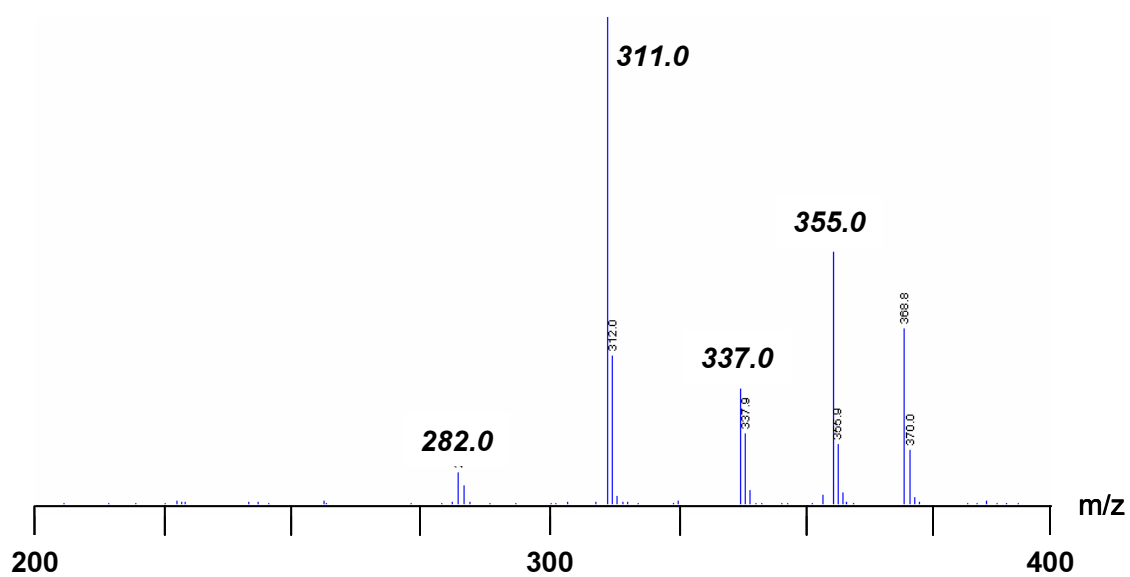


Figure 3S (LC)-mass spectrum of CBNA.

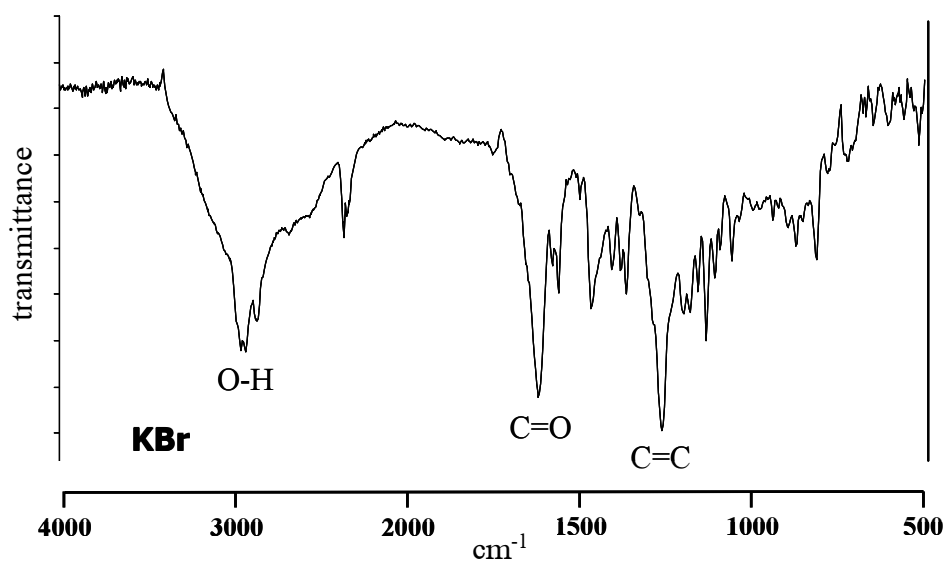


Figure 4S FT-IR spectrum of CBNA.

Table 1S <sup>1</sup>H-NMR data obtained at 300 MHz for CBNA

<i>Proton</i>	<i>Signal (ppm)</i>	<i>No. of proton, multiplicity<sup>a)</sup></i>	<i>CBN<sup>b)</sup></i>
2	absent		6.29
4	6.40	1H, s	6.44
6α, 6β	1.60	6H, s	1.60
7, 8	7.11	2H, dd	7.07, 7.14
10	8.40	1H, s	8.16
11	2.38	3H, s	2.38
1'	2.96	2H, t	2.50
2'	2.15	2H, m	1.63
3', 4'	1.32	4H, m	1.32
5'	0.83	3H, t	0.89

<sup>a)</sup> Multiplicity, s: singlet; dd: double doublet; t: triplet; m: multiplet.

<sup>b)</sup> Published <sup>1</sup>H-NMR data for CBN, obtained at 400MHz in CDCl<sub>3</sub> according to reference [17].