

# **Synthesis of 3-aroyl indoles as intermediates of cannabimimetics and elucidation of their physicochemical properties.**

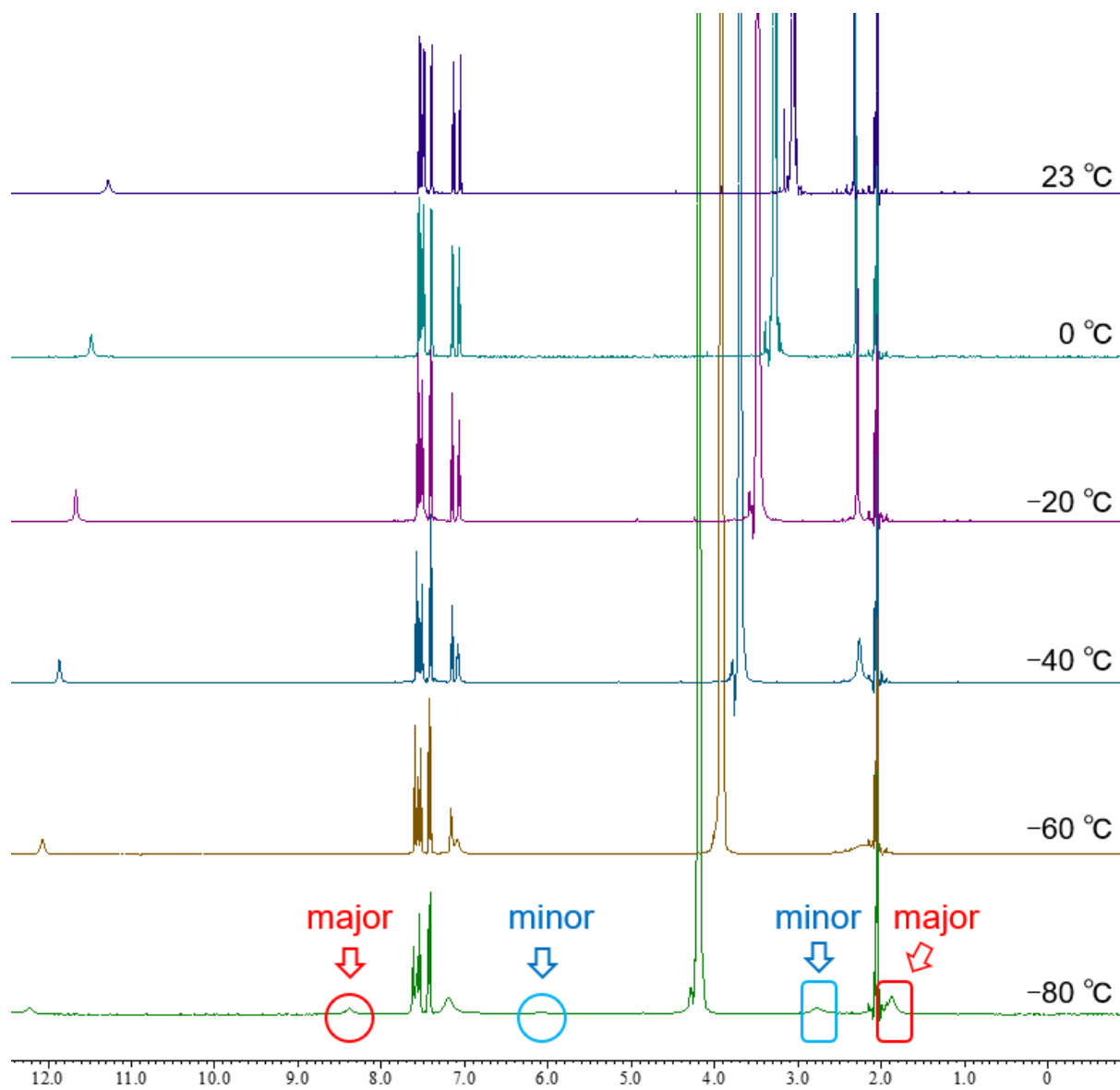
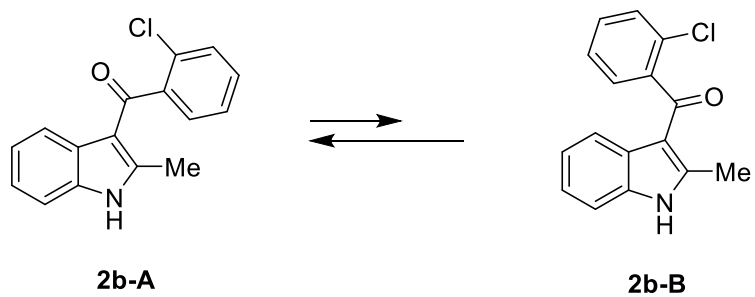
Koji Araki<sup>1</sup>, Kosho Makino<sup>1</sup>, Hidetsugu Tabata<sup>1</sup>, Hiroshi Nakayama<sup>1</sup>, Kei Zaitso<sup>2</sup>, Tetsuta Oshitari<sup>1</sup>, Hideaki Natsugari<sup>1</sup>, and Hideyo Takahashi<sup>1,\*</sup>

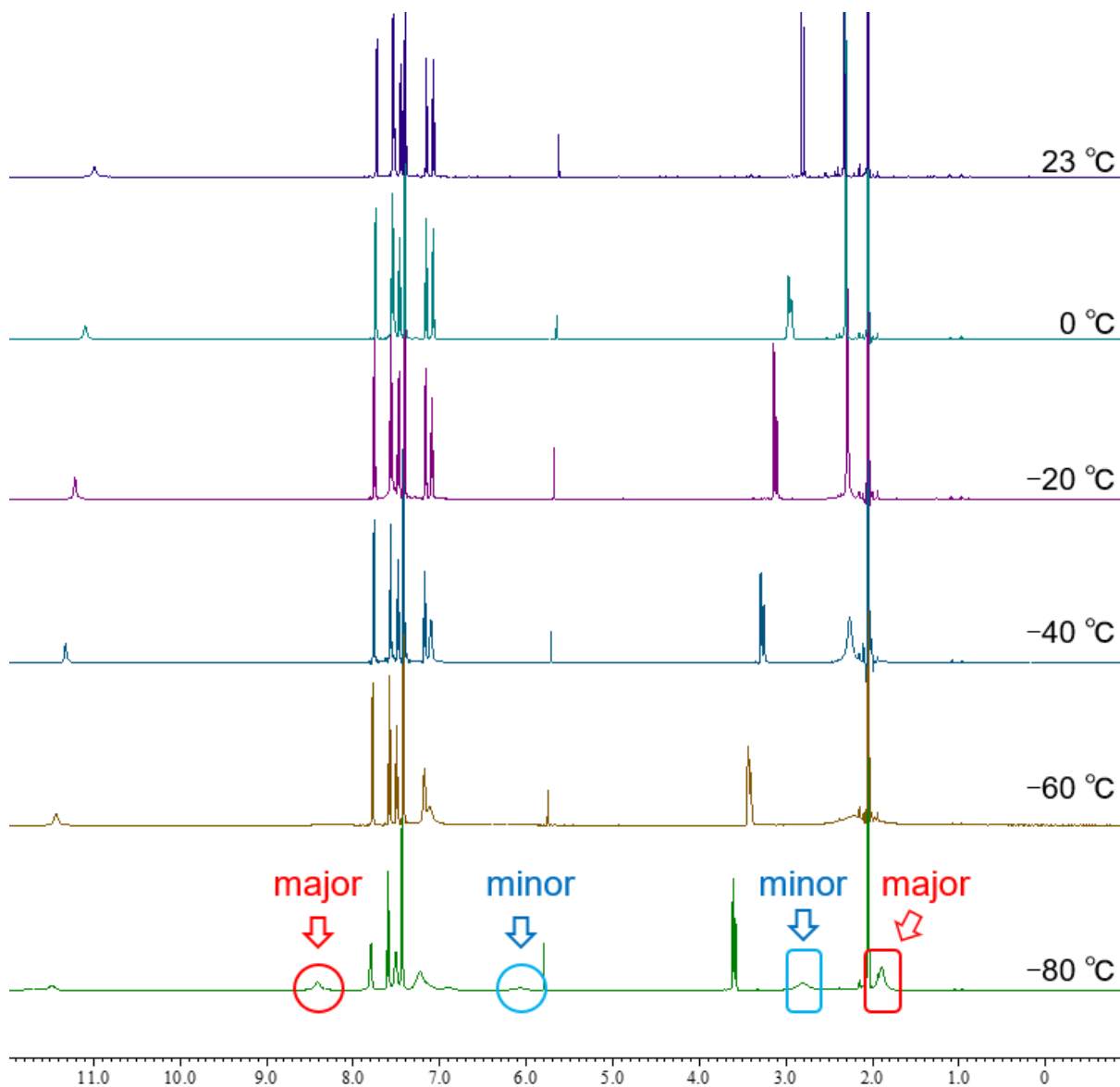
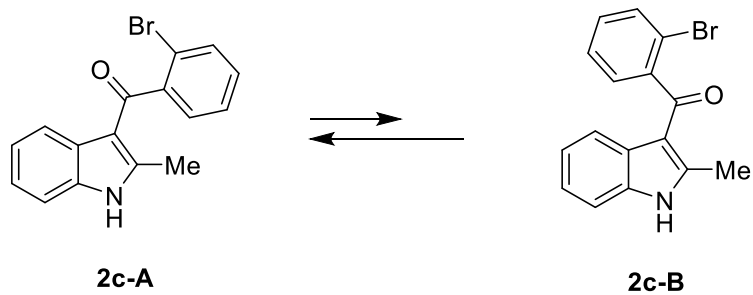
<sup>1</sup>Faculty of Pharma Sciences, Teikyo University, 2-11-1 Kaga, Itabashi-ku, Tokyo 173-8605, Japan. <sup>2</sup>Department of Legal Medicine & Bioethics, Nagoya University Graduate School of Medicine, 65 Tsurumai-cho, Showa-ku, Nagoya 466-8550, Japan

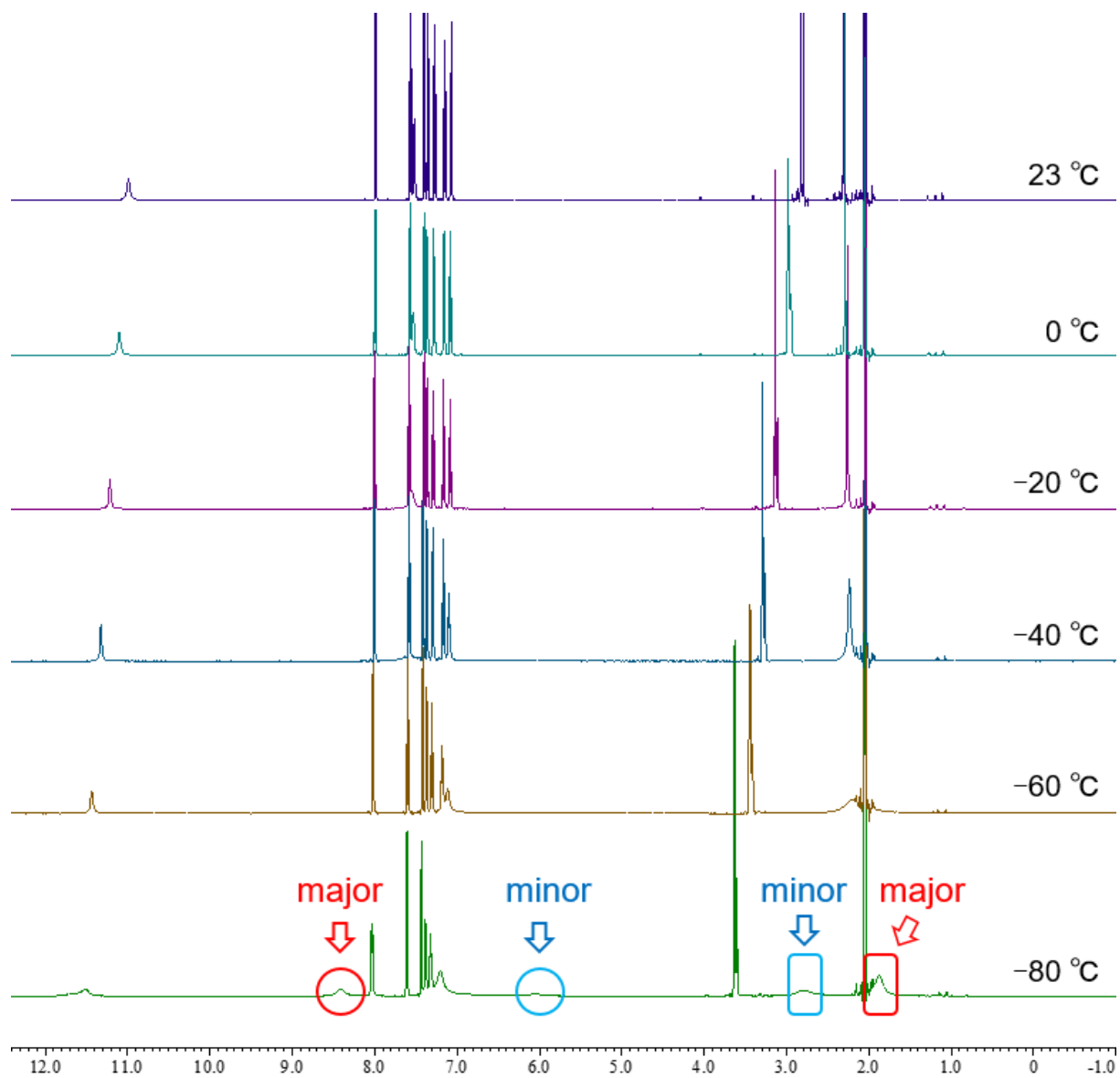
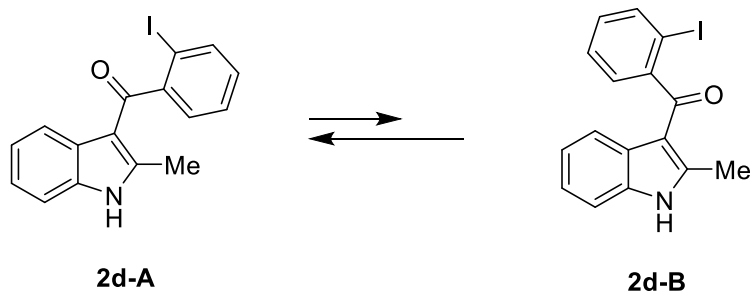
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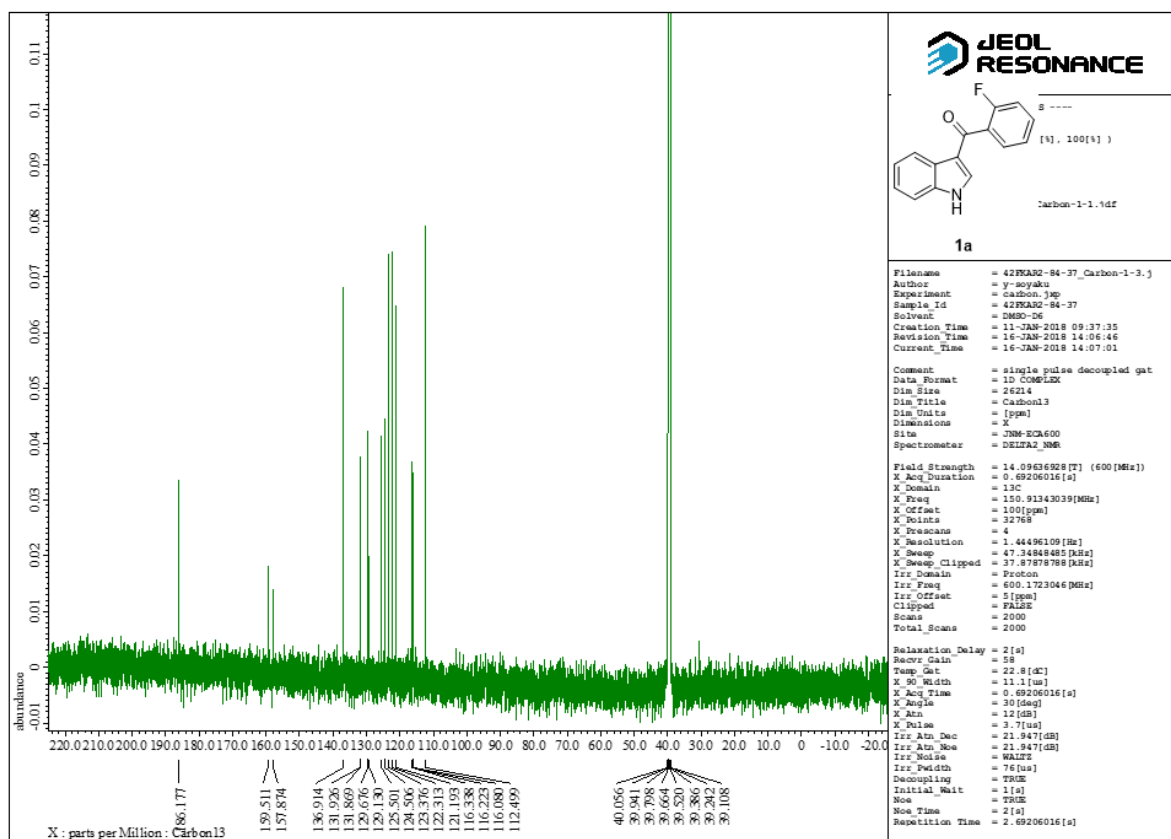
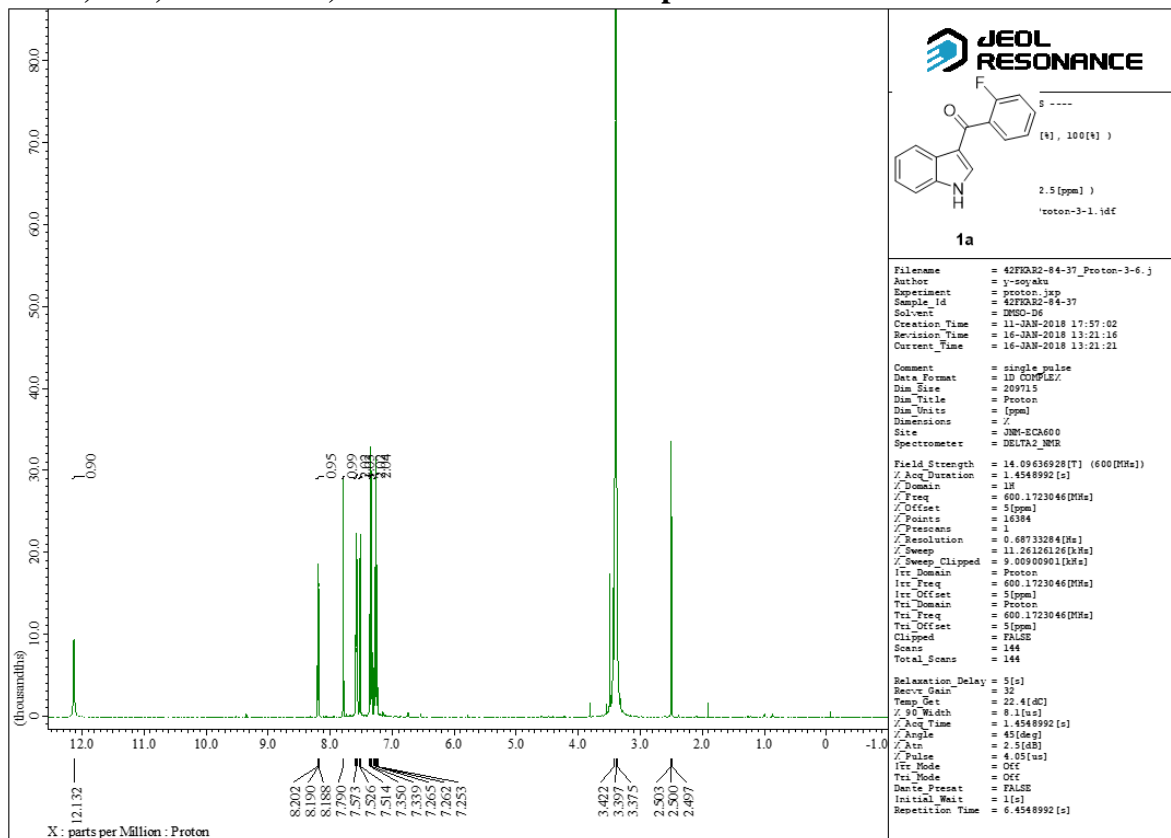
# 1. VT-NMR of 2b – 2d.

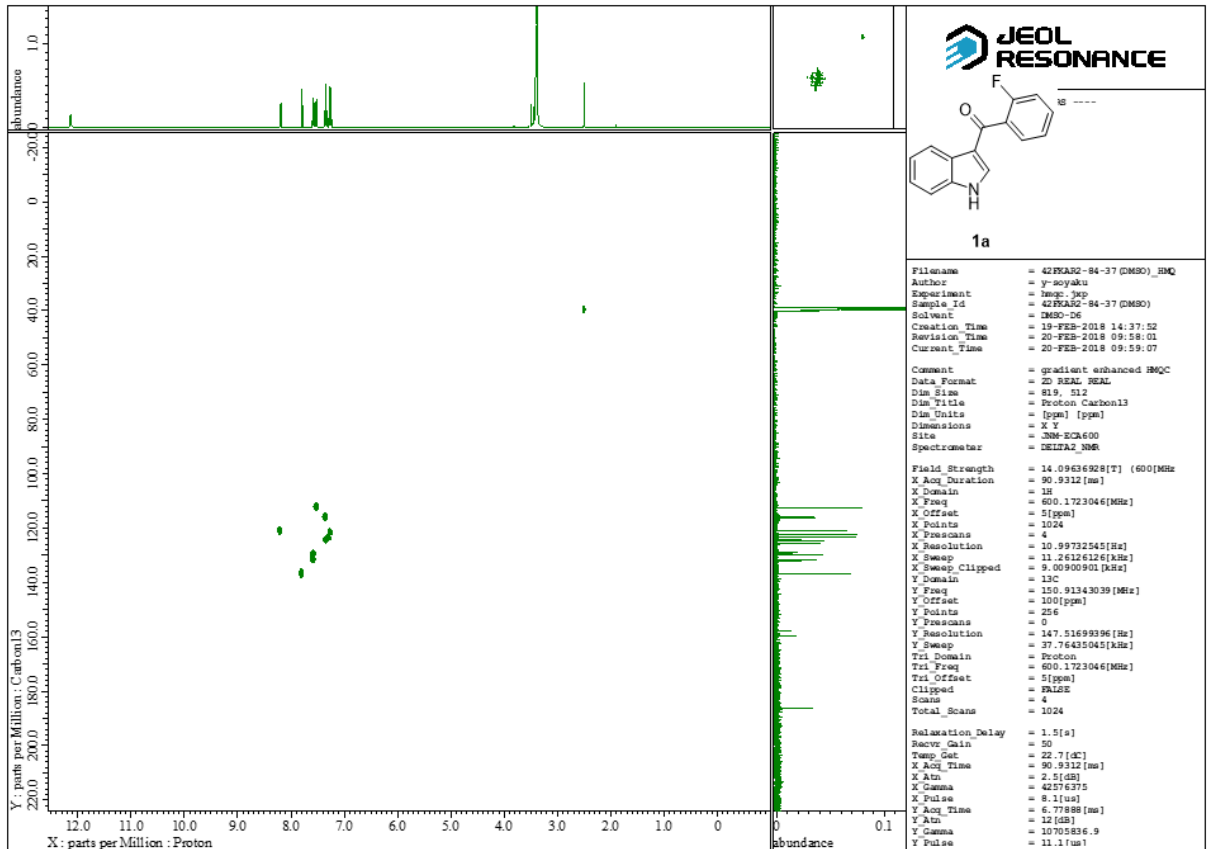
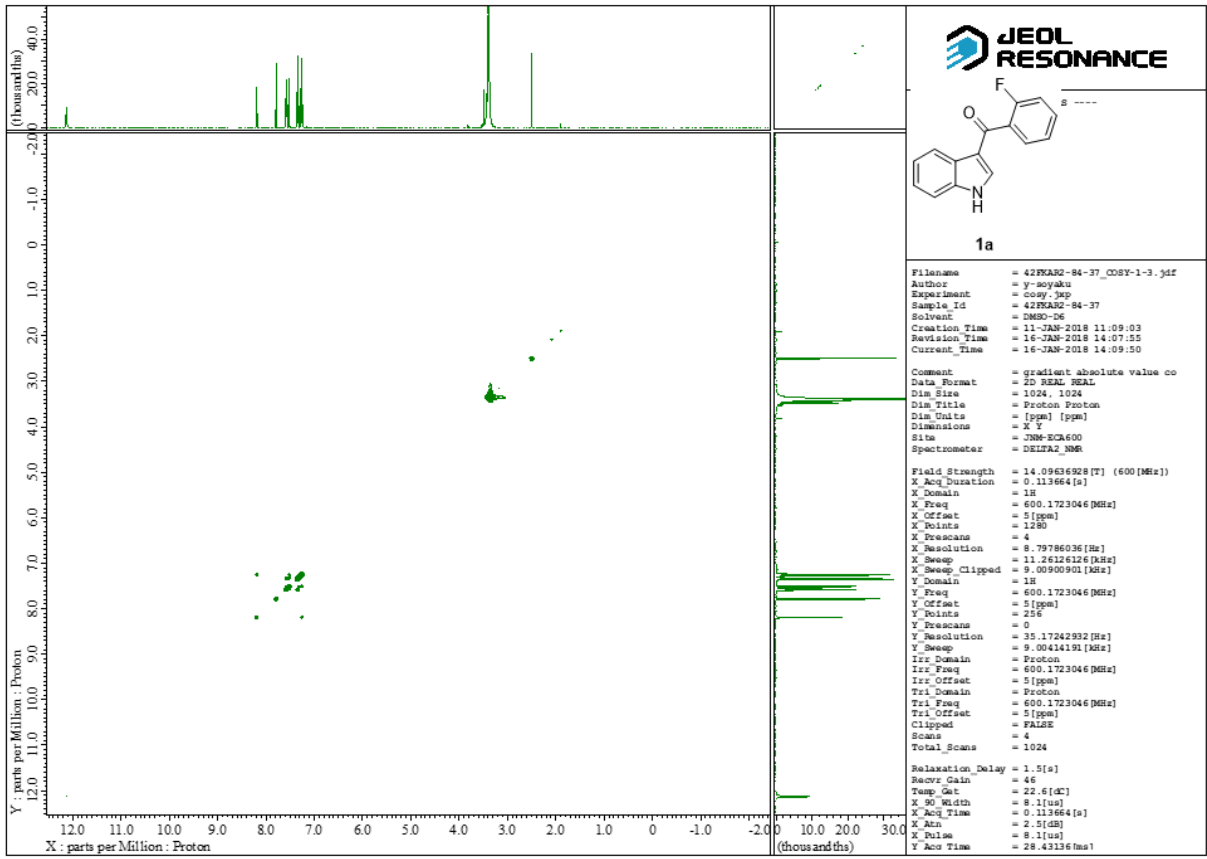


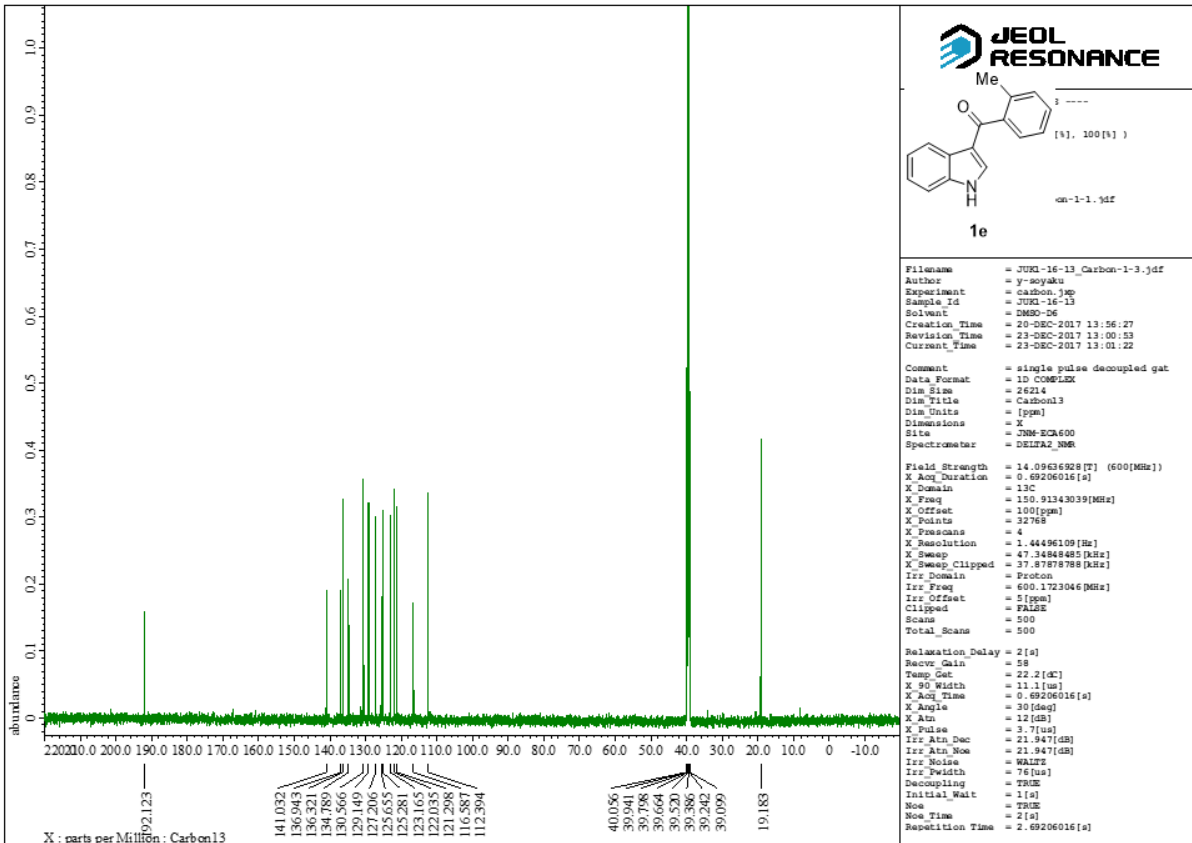
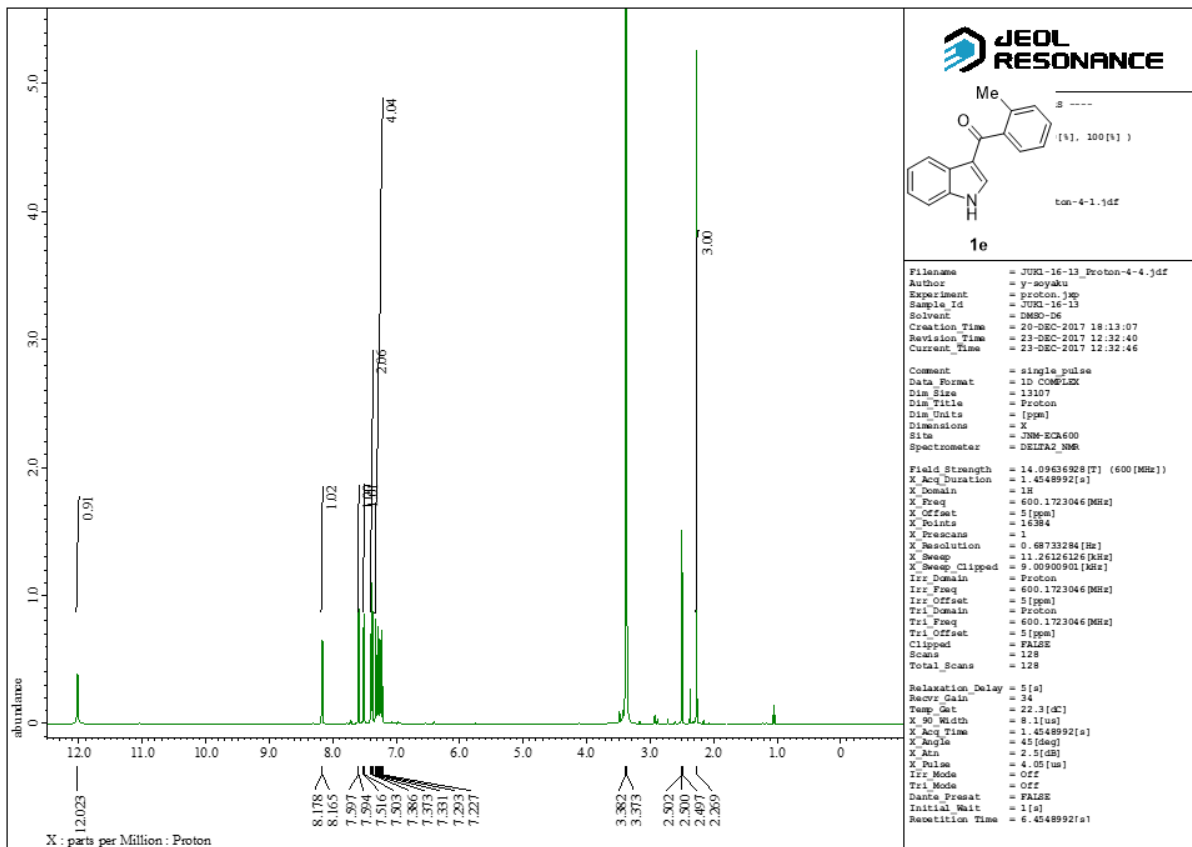


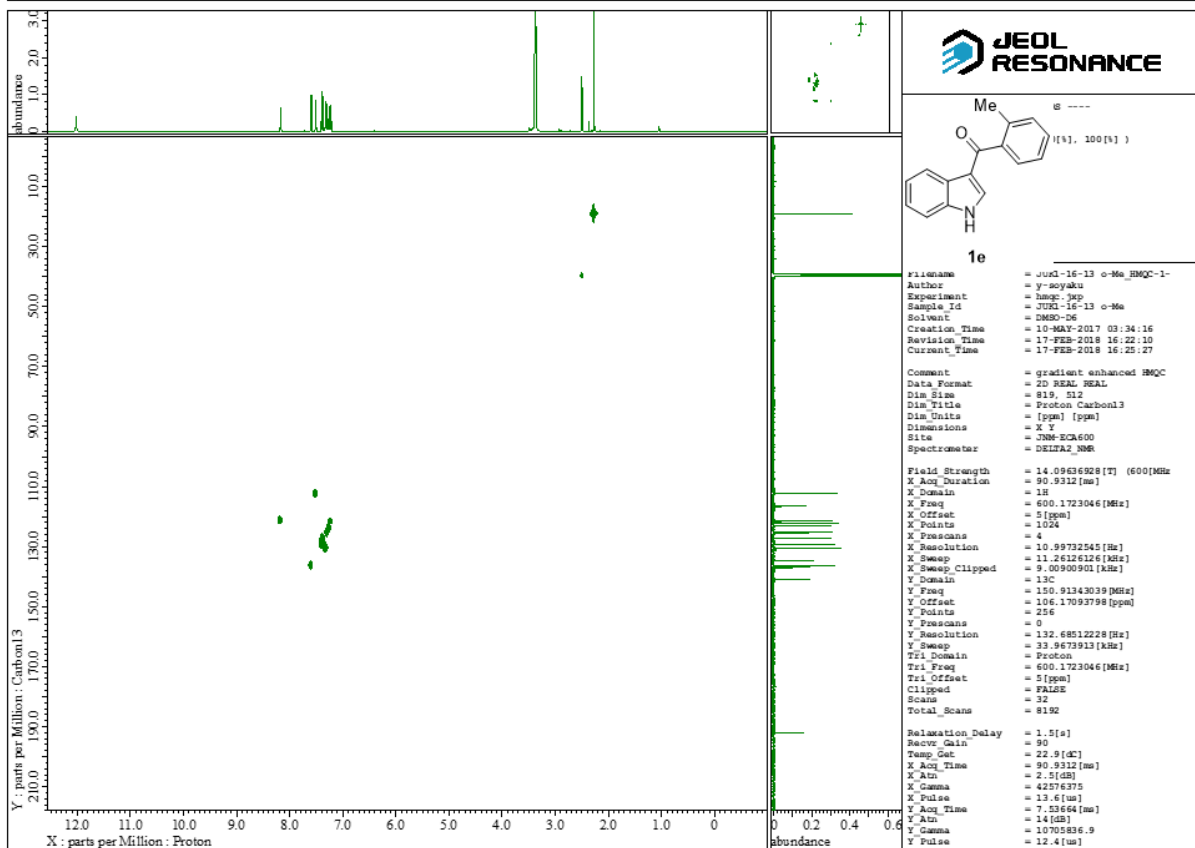
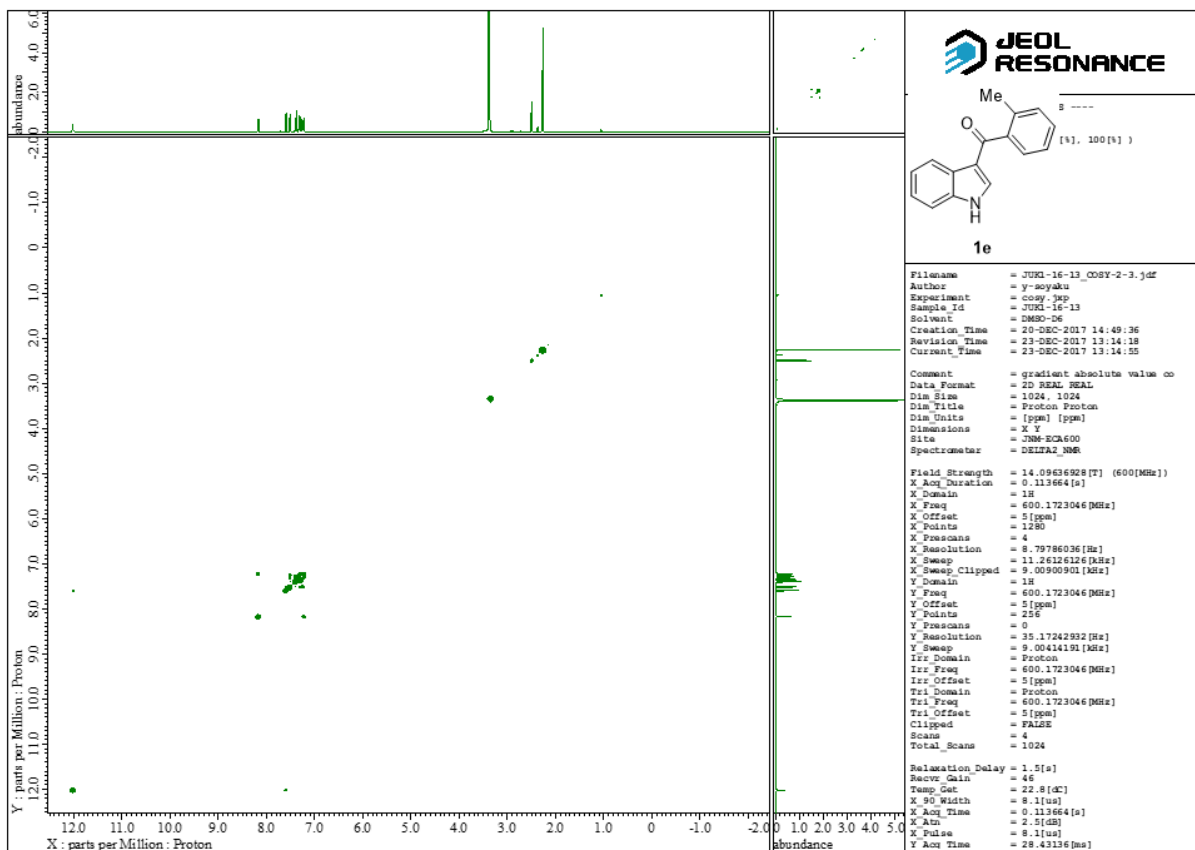


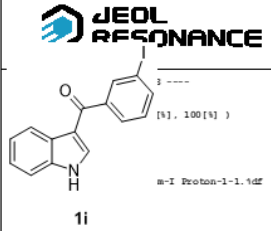
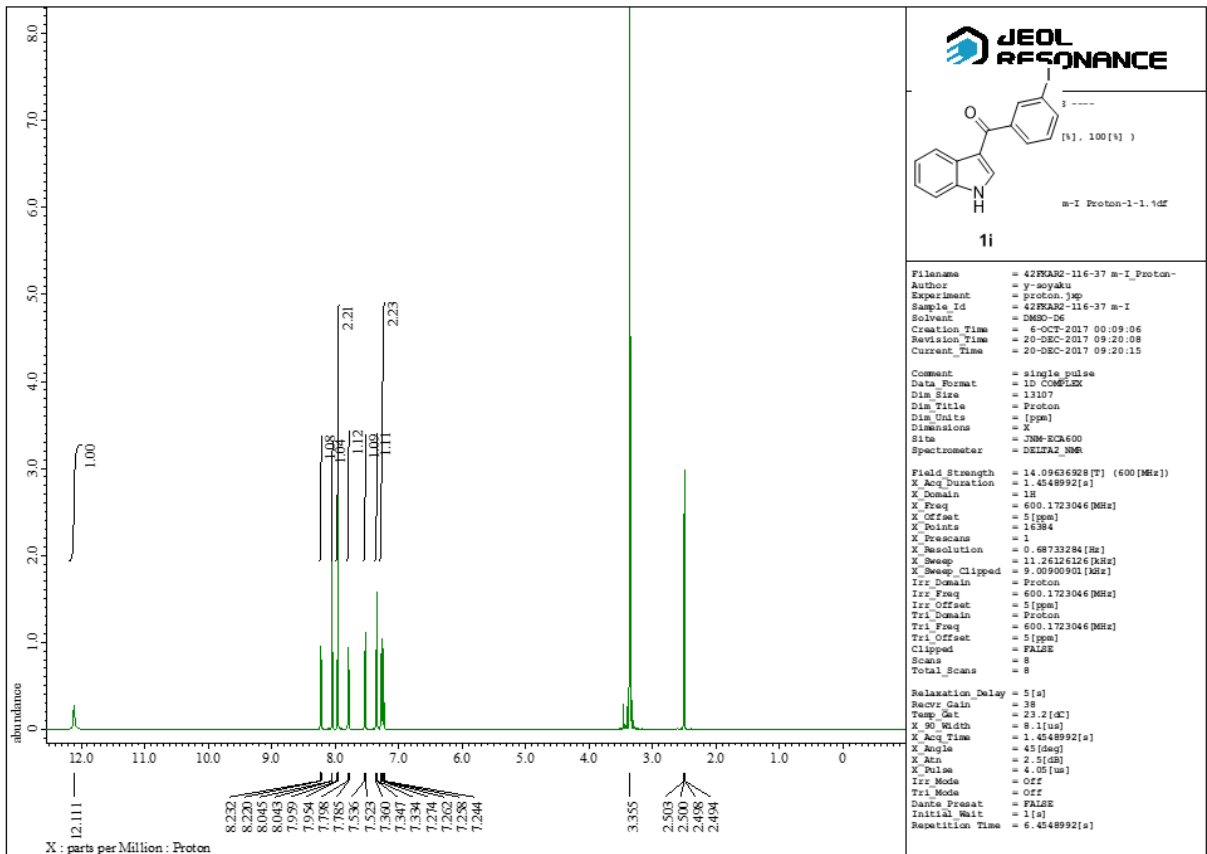
## 2. <sup>1</sup>H-, <sup>13</sup>C-, HH-COSY-, and CH-COSY-NMR Spectra









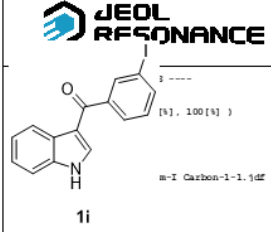
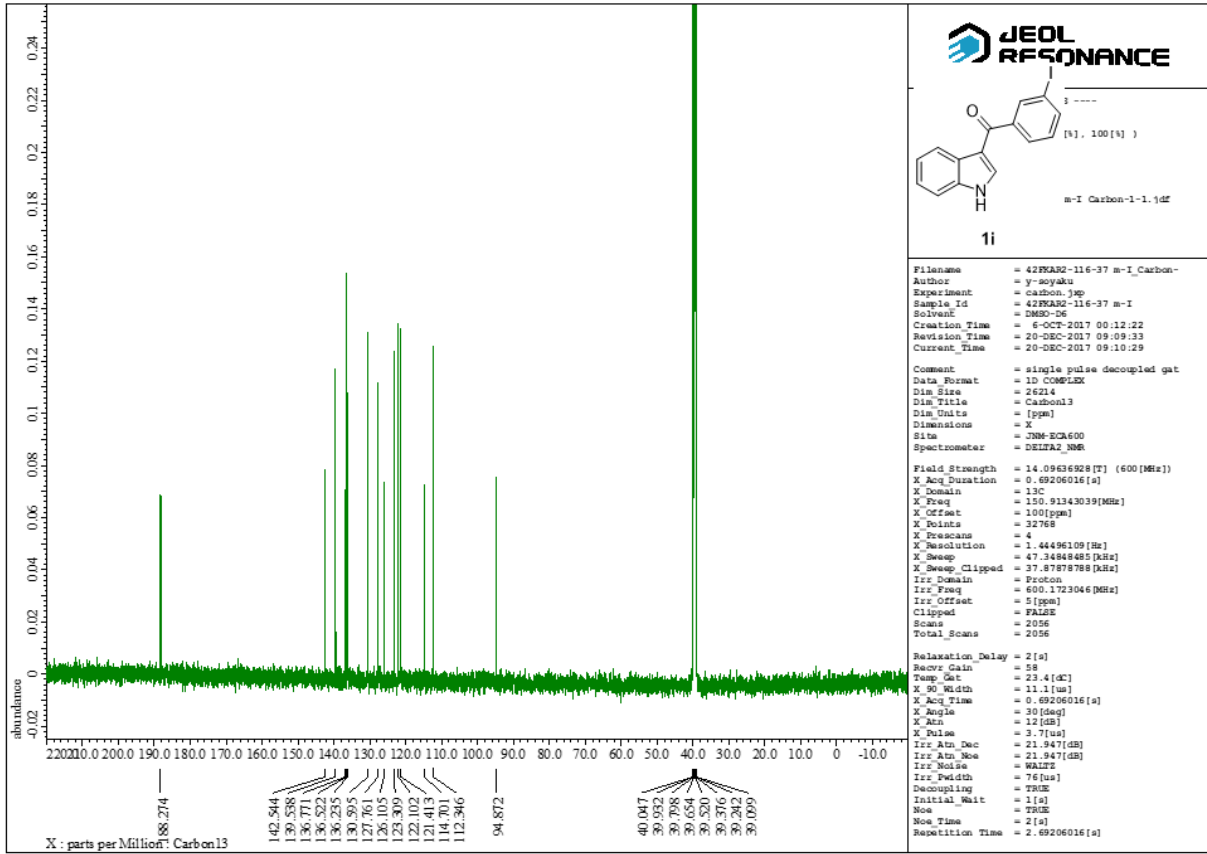


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 Revision Time = 20-DEC-2017 09:20:08  
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