

# Practical Synthesis of 2-Iodosobenzoic Acids (IBAs) without Contamination by Hazardous 2-Iodoxybenzoic Acids (IBXs) under Mild Conditions

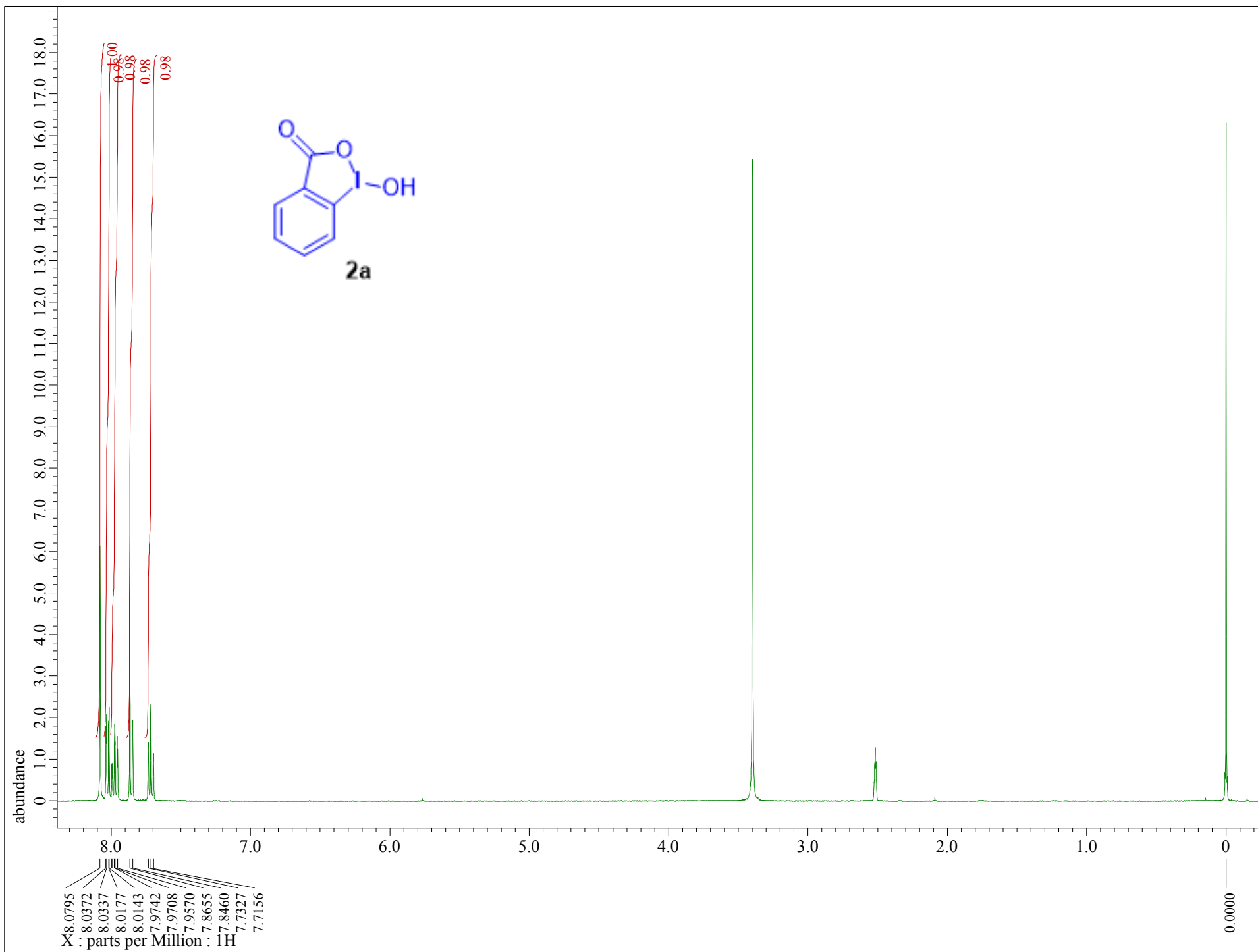
Hideyasu China<sup>1, 2\*</sup>, Nami Kageyama<sup>2</sup>, Hodaka Yatabe<sup>2</sup>, Naoto Takenaga<sup>3</sup>, and Toshifumi Dohi<sup>2,\*</sup>

<sup>1</sup> Department of Medical Bioscience, Nagahama Institute of Bio-Science and Technology, 1266, Tamuracho Nagahama-shi, Shiga, 526-0829, Japan

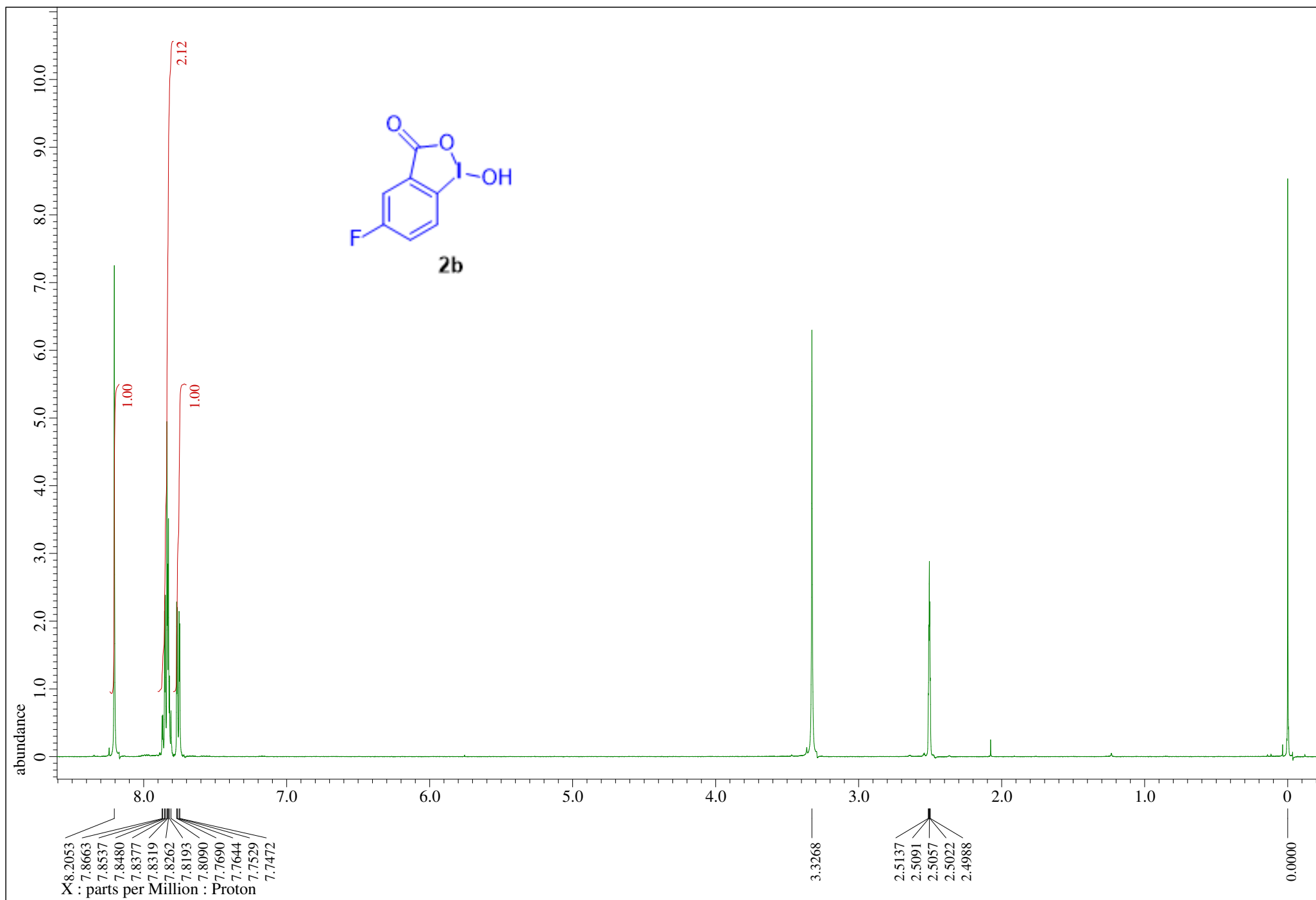
<sup>2</sup> College of Pharmaceutical Sciences, Ritsumeikan University, 1-1-1 Nojihigashi, Kusatsu, Shiga 525-8577, Japan

<sup>3</sup> Faculty of Pharmacy, Meijo University, 150 Yagotoyama, Tempaku-ku, Nagoya 468-8503, Japan

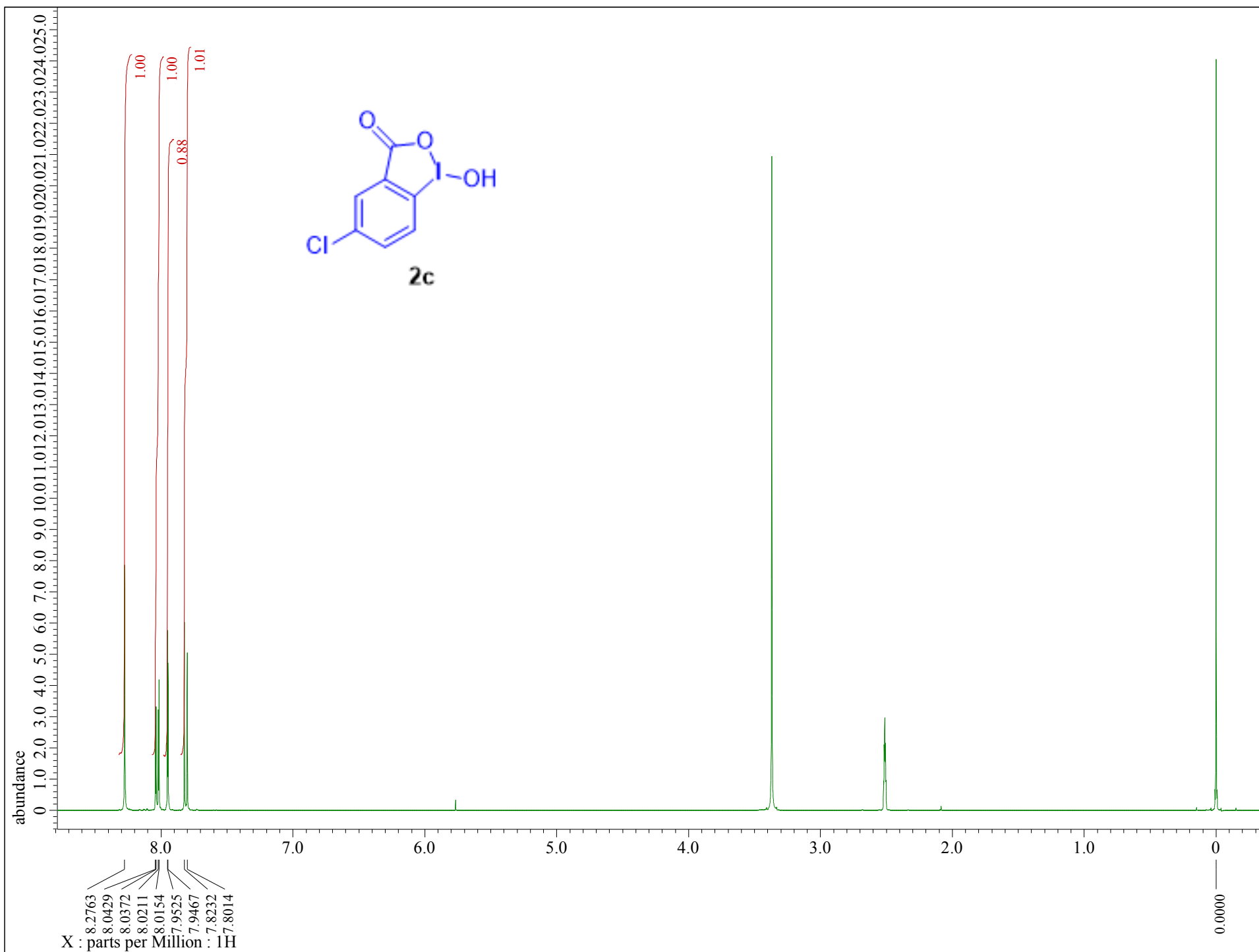
<sup>1</sup>H NMR Spectrum (400 MHz, DMSO-d<sub>6</sub>) of 2a



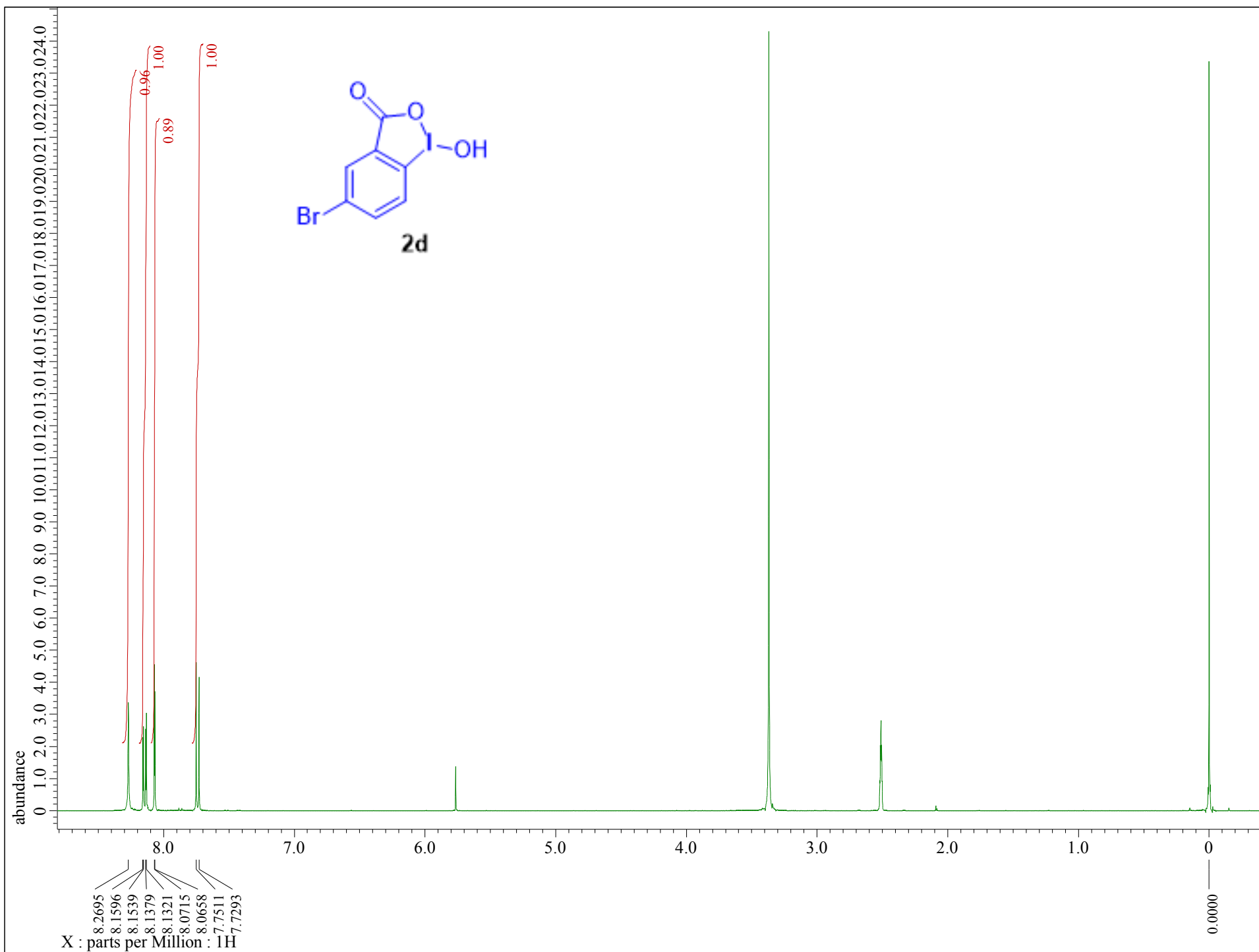
<sup>1</sup>H NMR Spectrum (500 MHz, DMSO-d<sub>6</sub>) of 2b



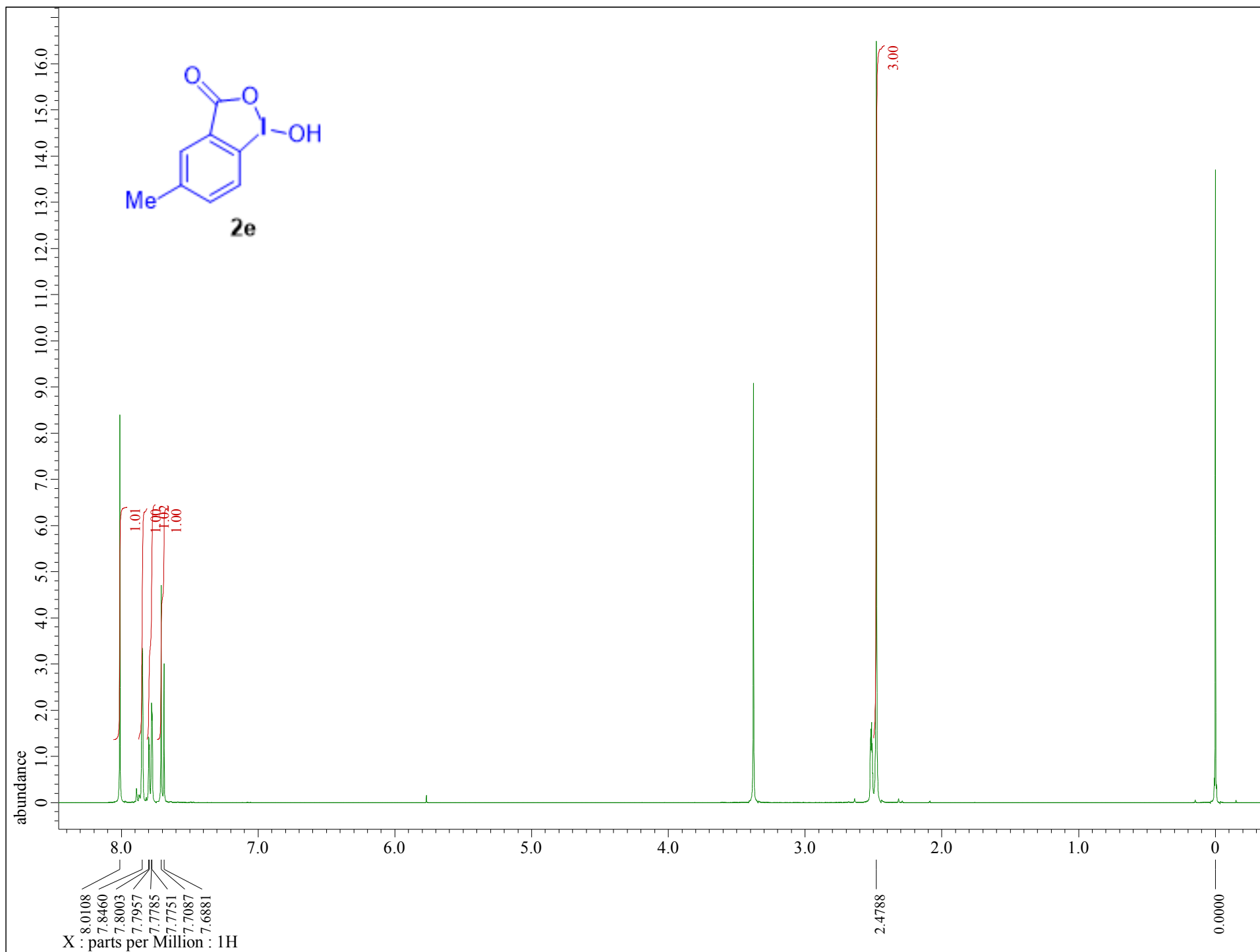
<sup>1</sup>H NMR Spectrum (400 MHz, DMSO-d<sub>6</sub>) of 2c



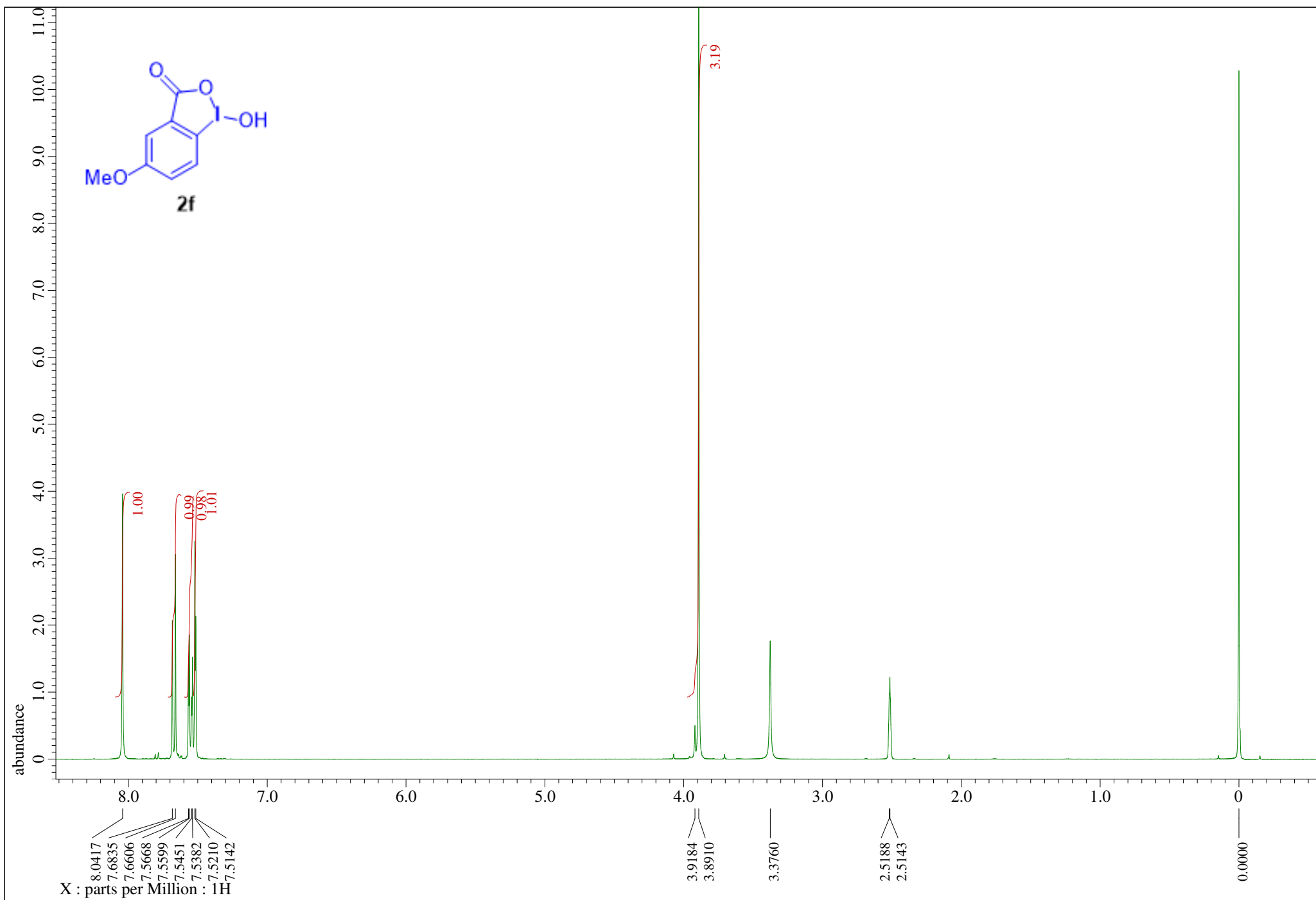
<sup>1</sup>H NMR Spectrum (400 MHz, DMSO-d<sub>6</sub>) of 2d



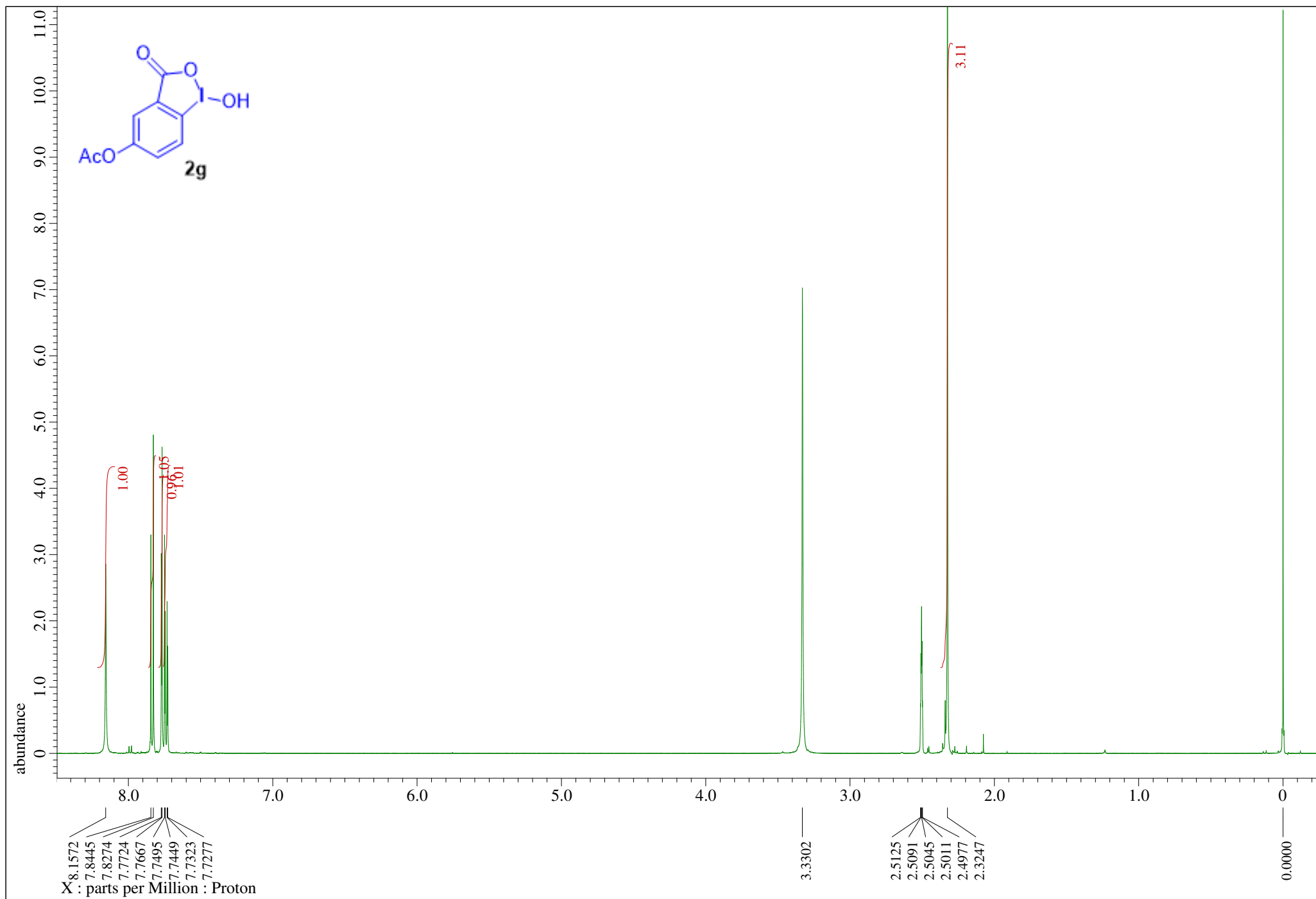
<sup>1</sup>H NMR Spectrum (400 MHz, DMSO-d<sub>6</sub>) of **2e**



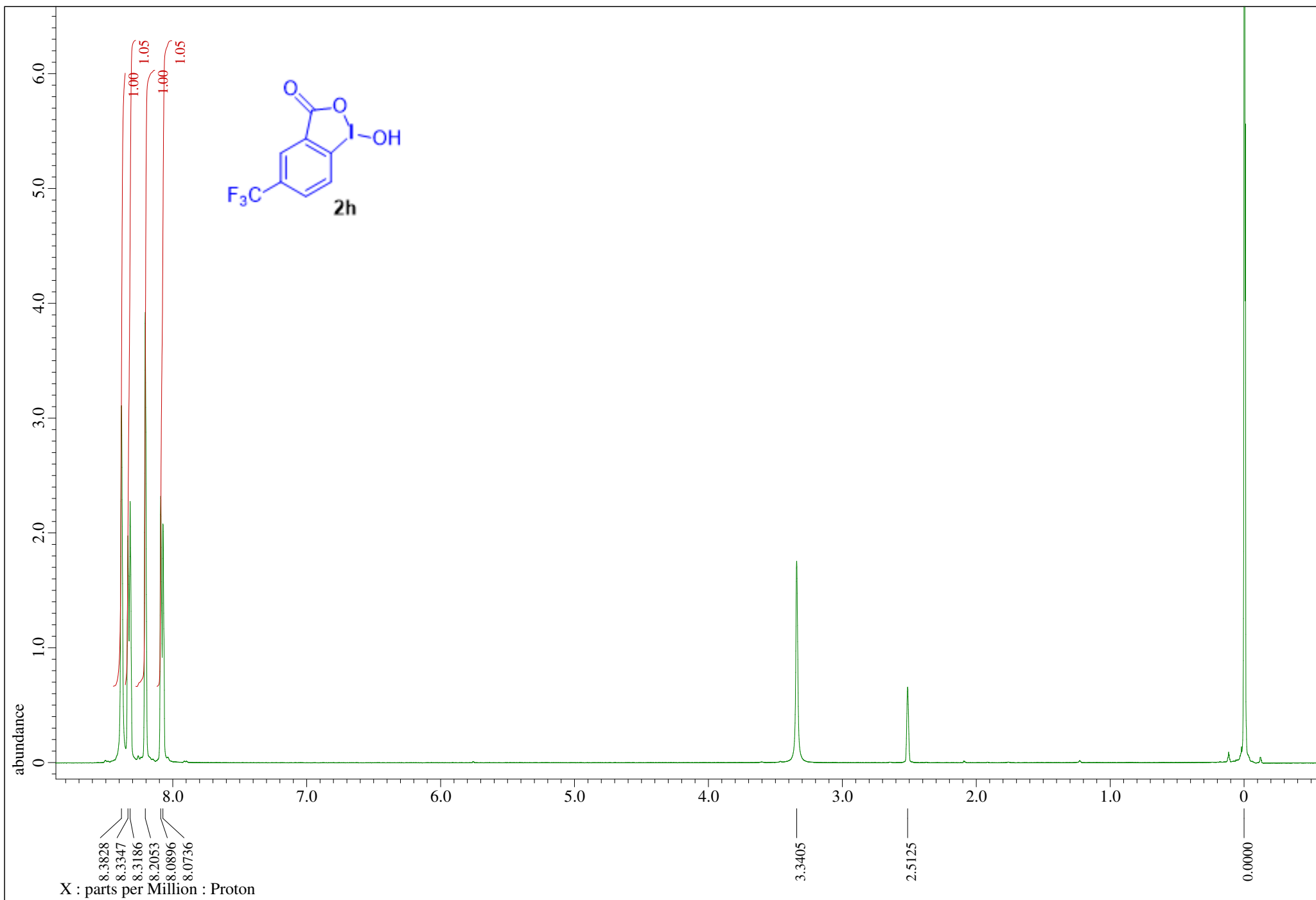
<sup>1</sup>H NMR Spectrum (400 MHz, DMSO-d<sub>6</sub>) of 2f



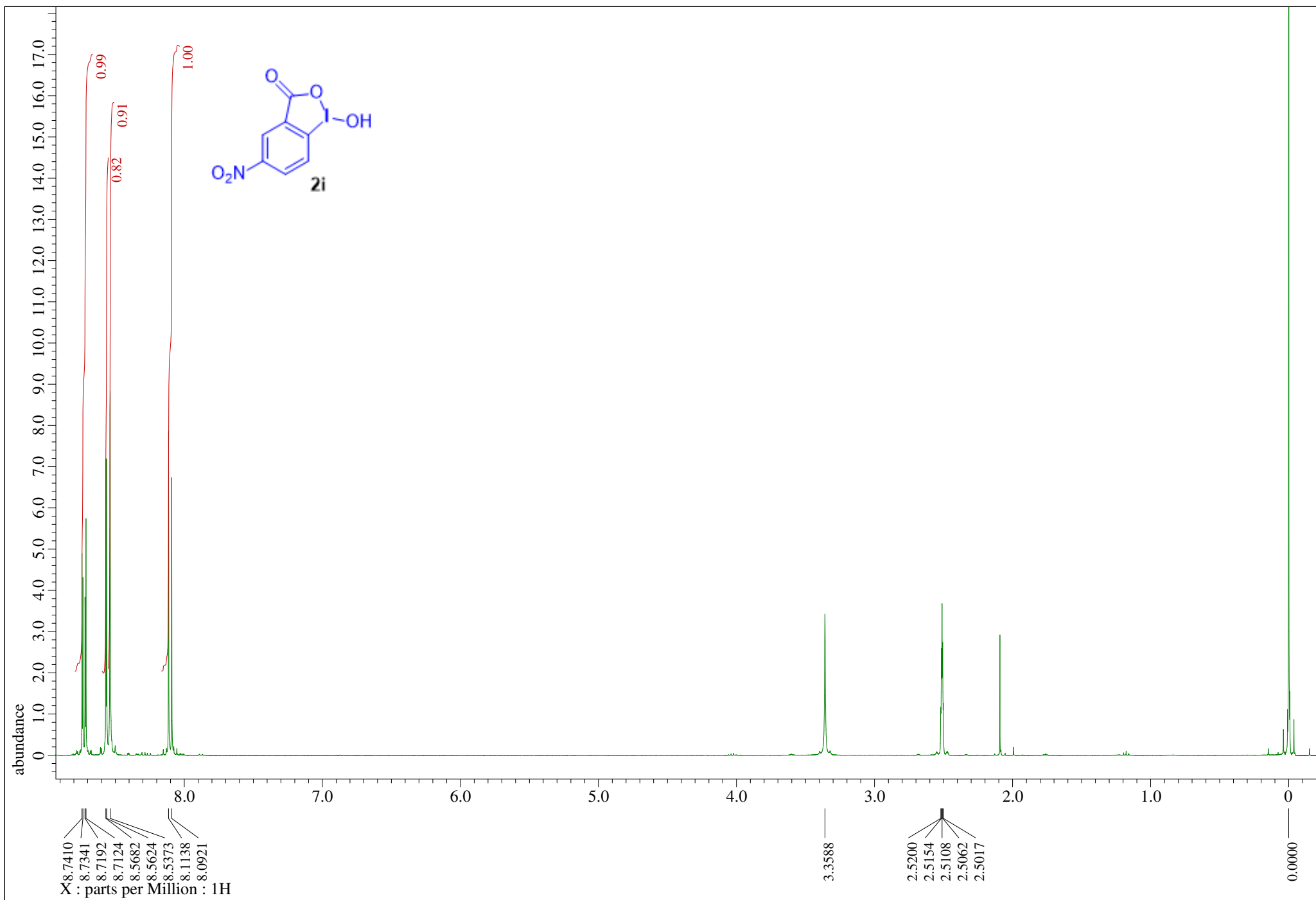
<sup>1</sup>H NMR Spectrum (500 MHz, DMSO-d<sub>6</sub>) of **2g**



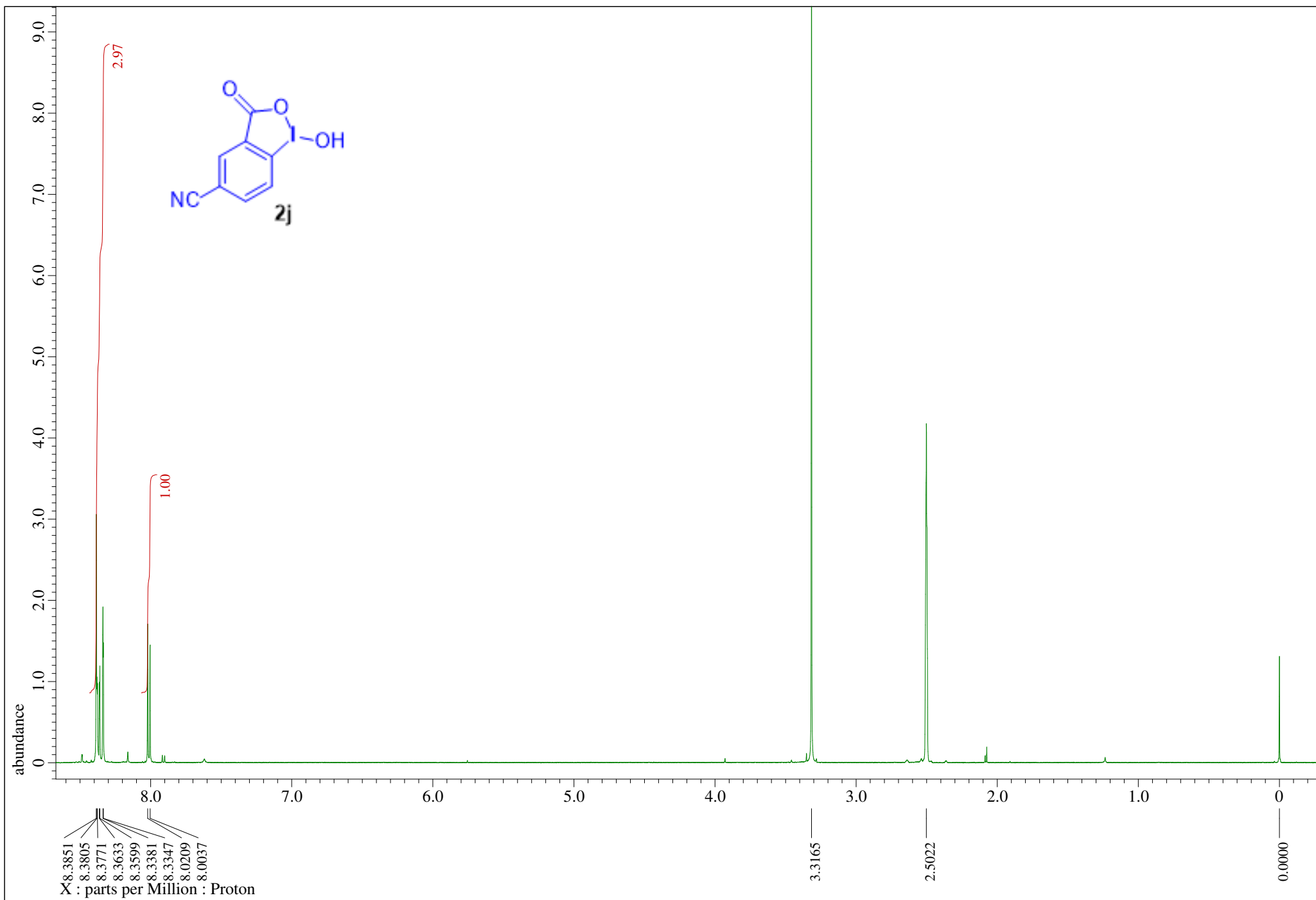
<sup>1</sup>H NMR Spectrum (500 MHz, DMSO-d<sub>6</sub>) of **2h**



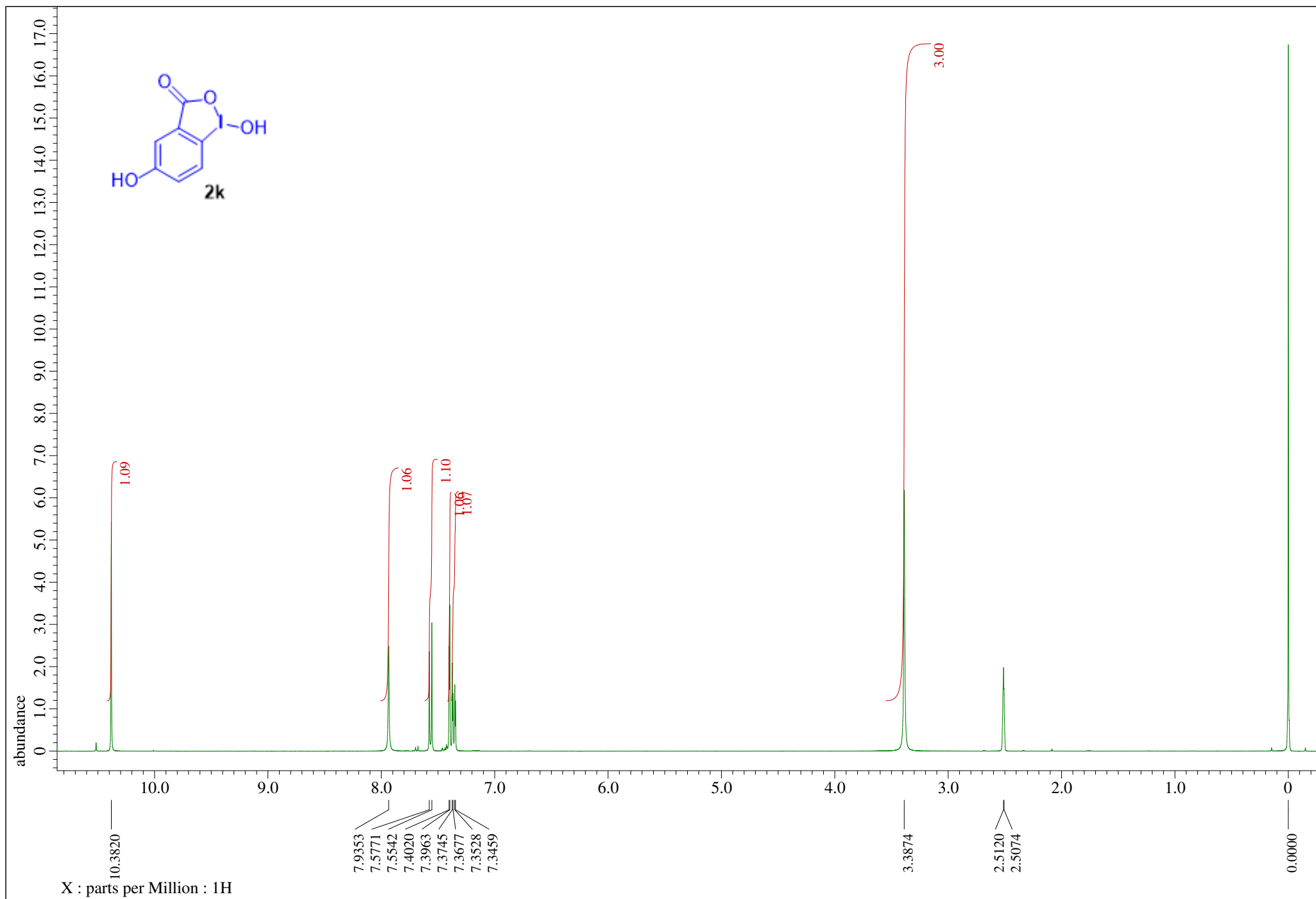
<sup>1</sup>H NMR Spectrum (400 MHz, DMSO-d<sub>6</sub>) of **2i**



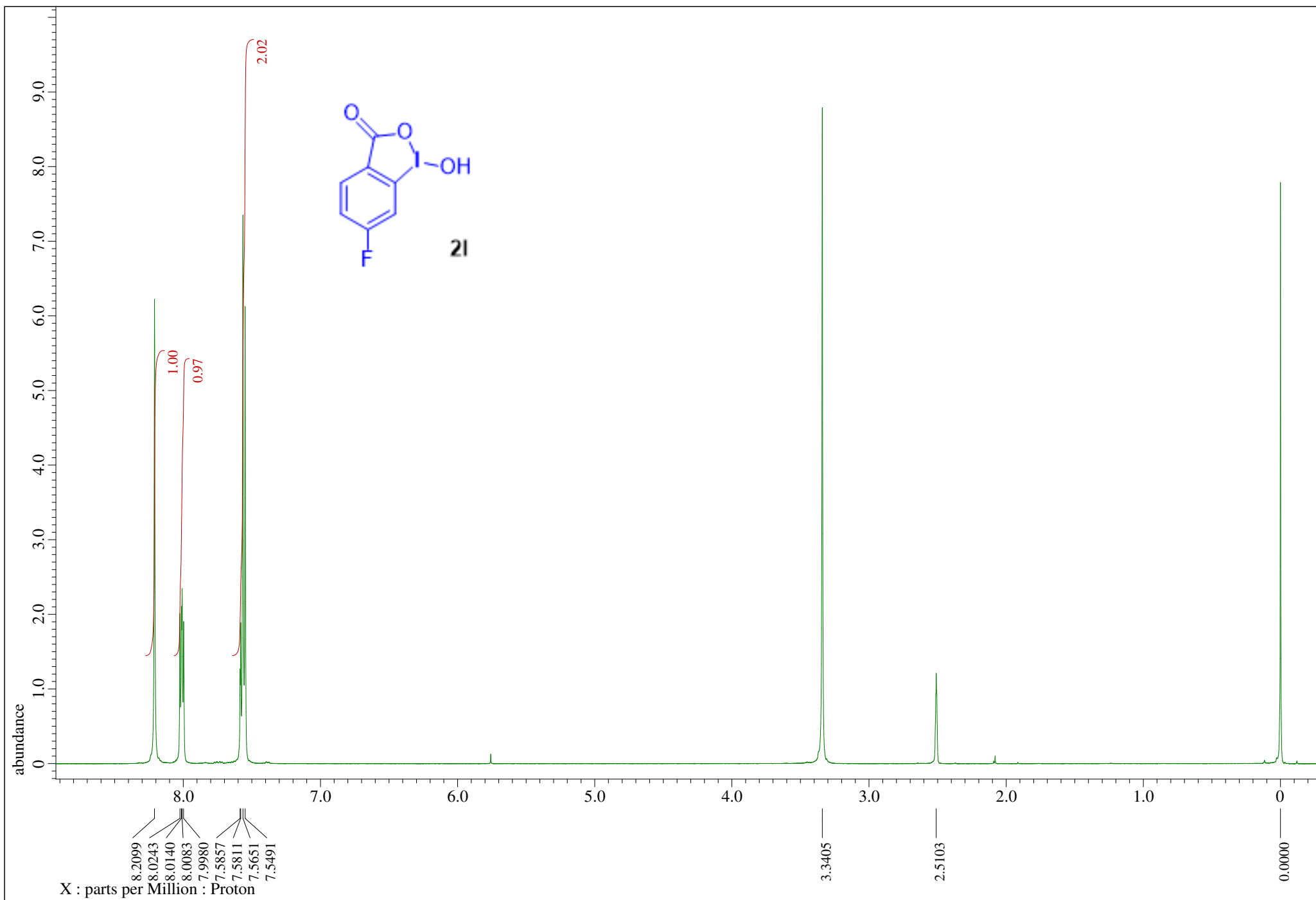
<sup>1</sup>H NMR Spectrum (500 MHz, DMSO-d<sub>6</sub>) of 2j



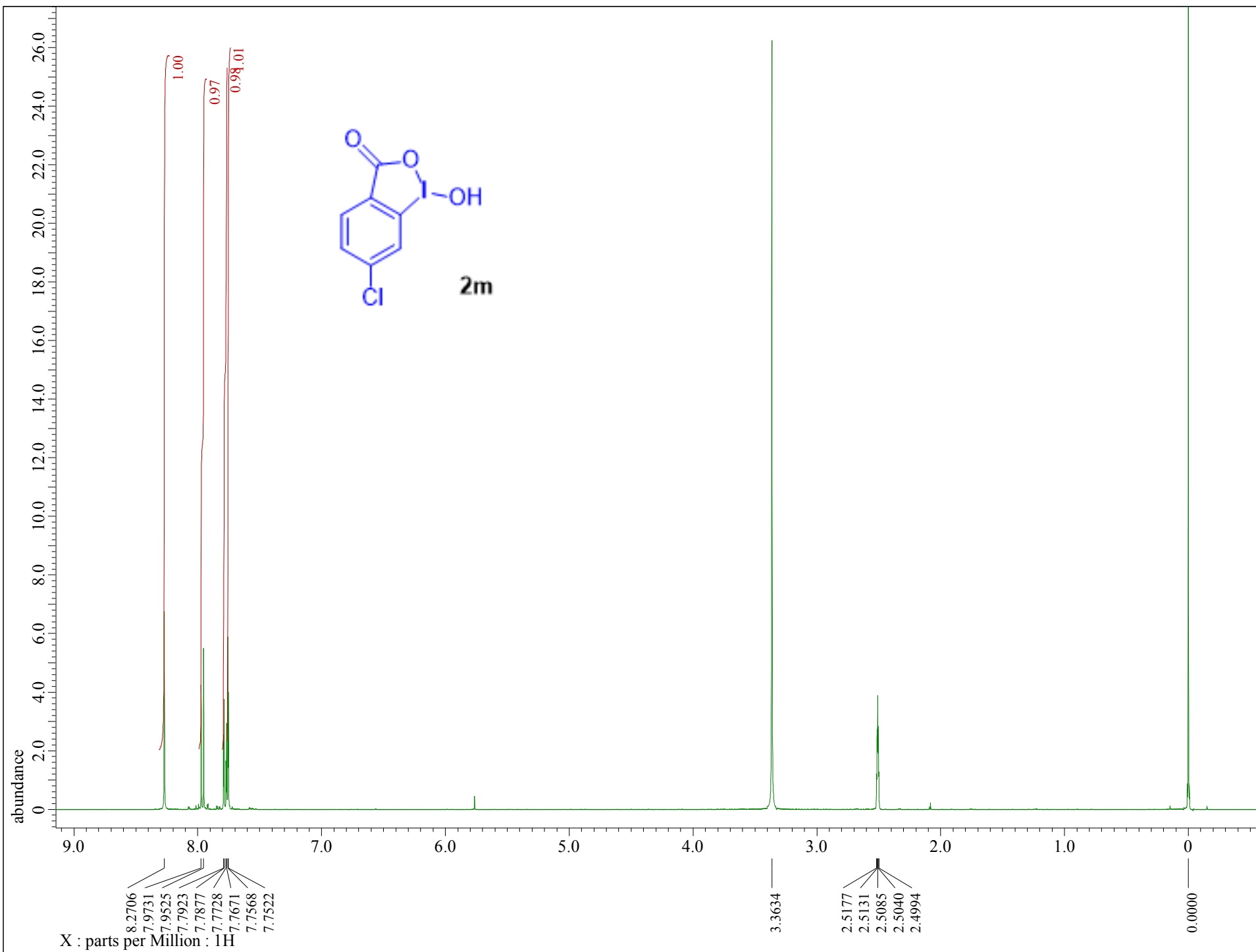
<sup>1</sup>H NMR Spectrum (400 MHz, DMSO-d<sub>6</sub>) of **2k**



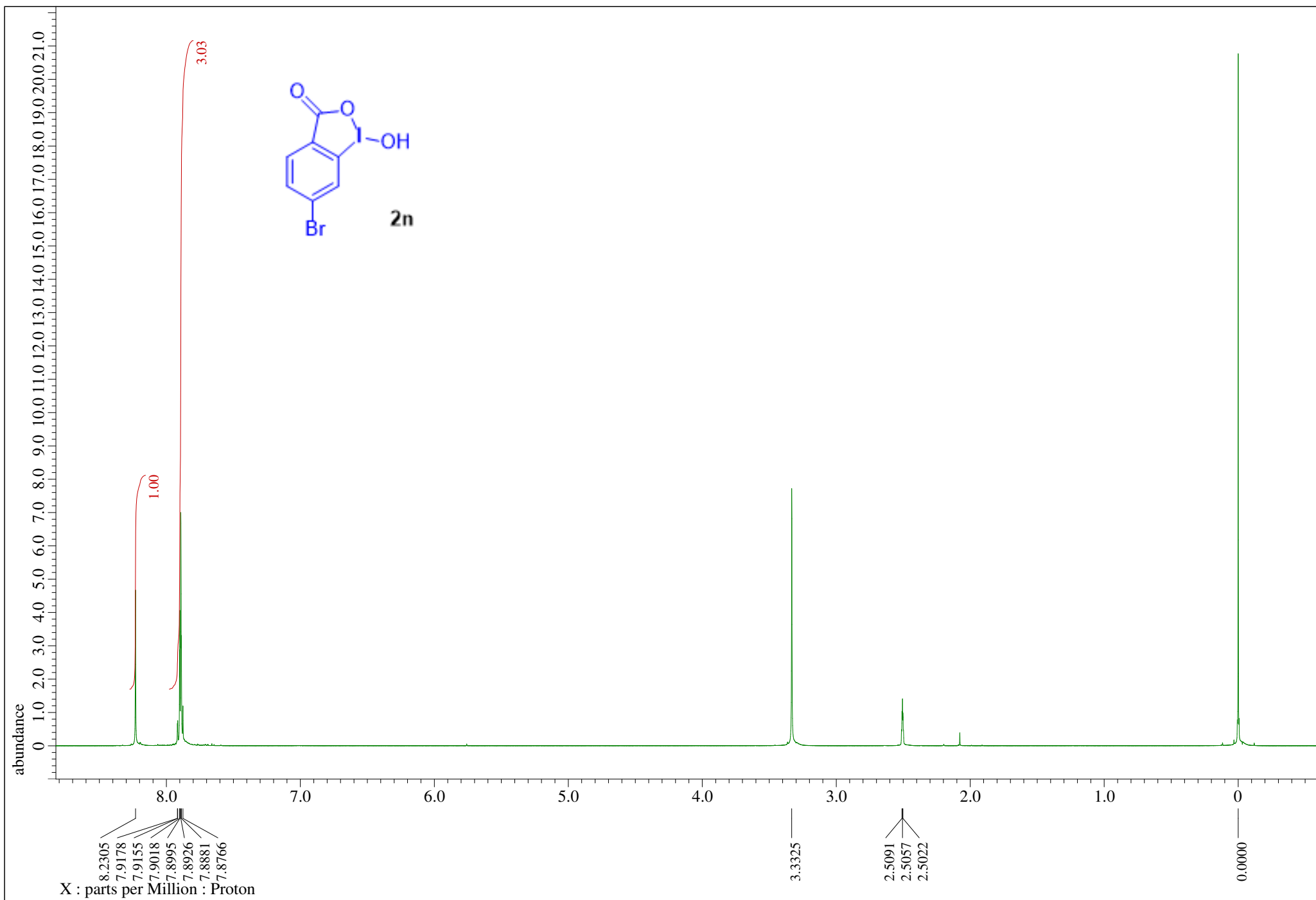
<sup>1</sup>H NMR Spectrum (500 MHz, DMSO-d<sub>6</sub>) of 2l



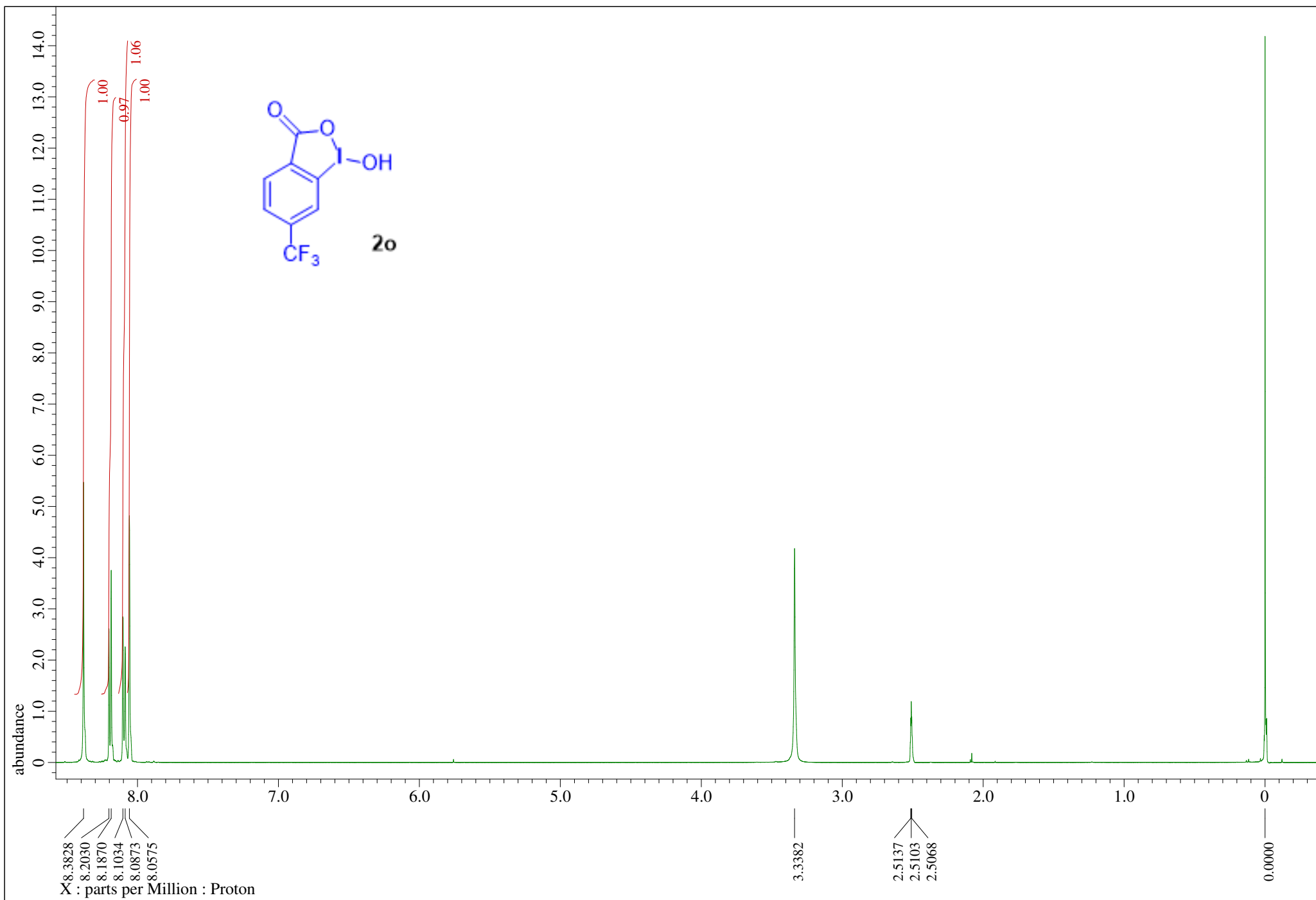
<sup>1</sup>H NMR Spectrum (400 MHz, DMSO-d<sub>6</sub>) of 2m



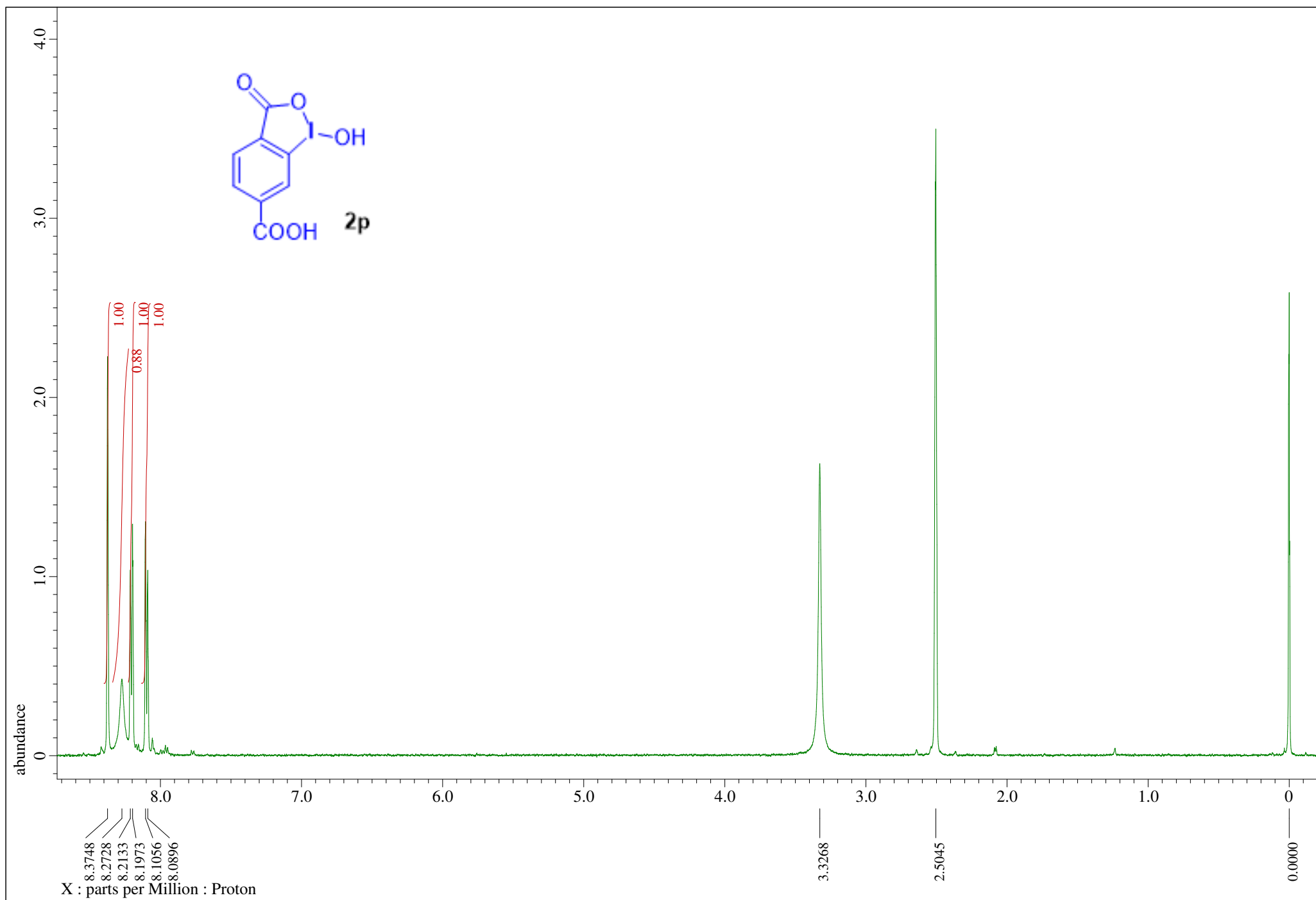
<sup>1</sup>H NMR Spectrum (500 MHz, DMSO-d<sub>6</sub>) of **2n**



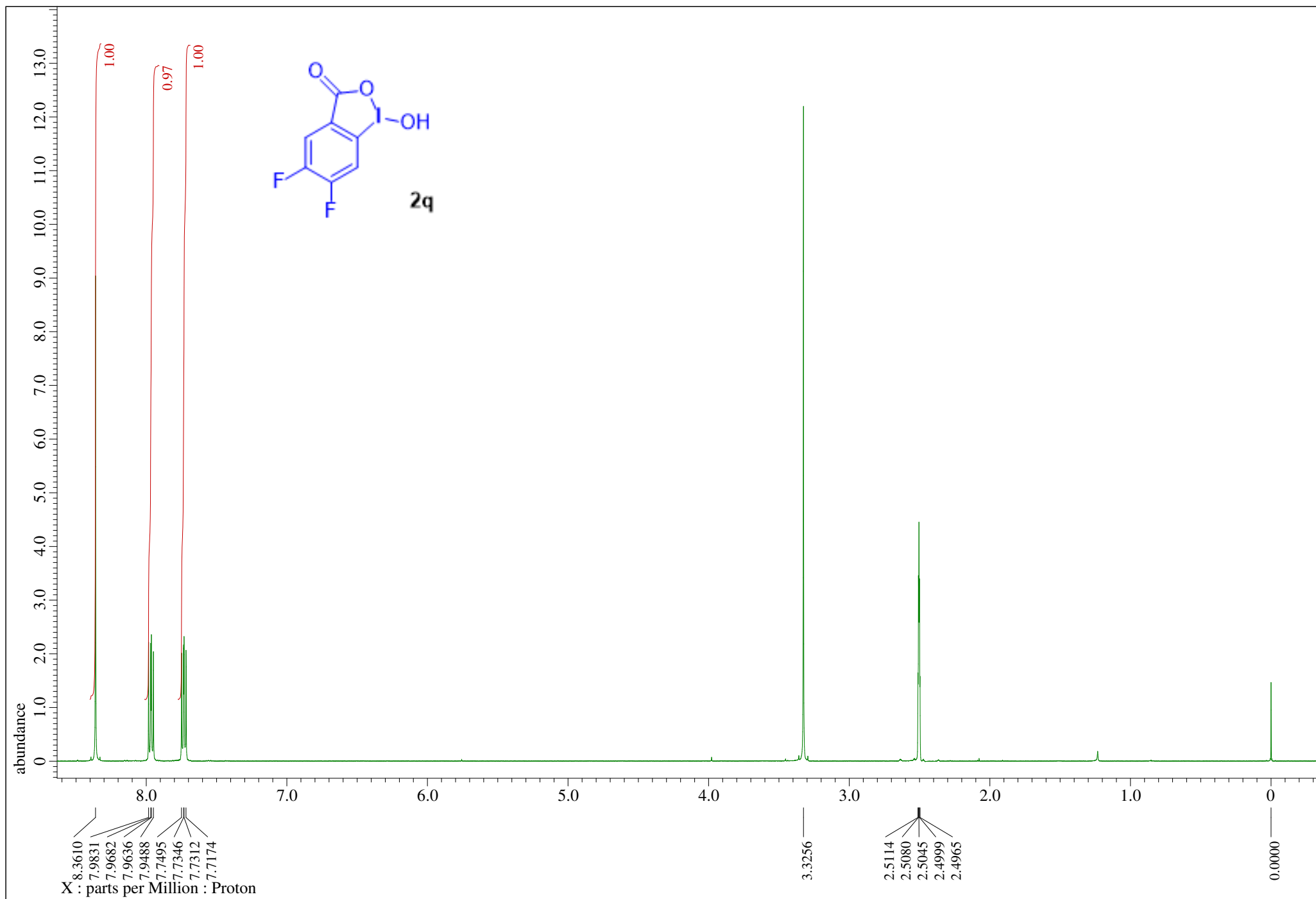
<sup>1</sup>H NMR Spectrum (400 MHz, DMSO-d<sub>6</sub>) of **2o**



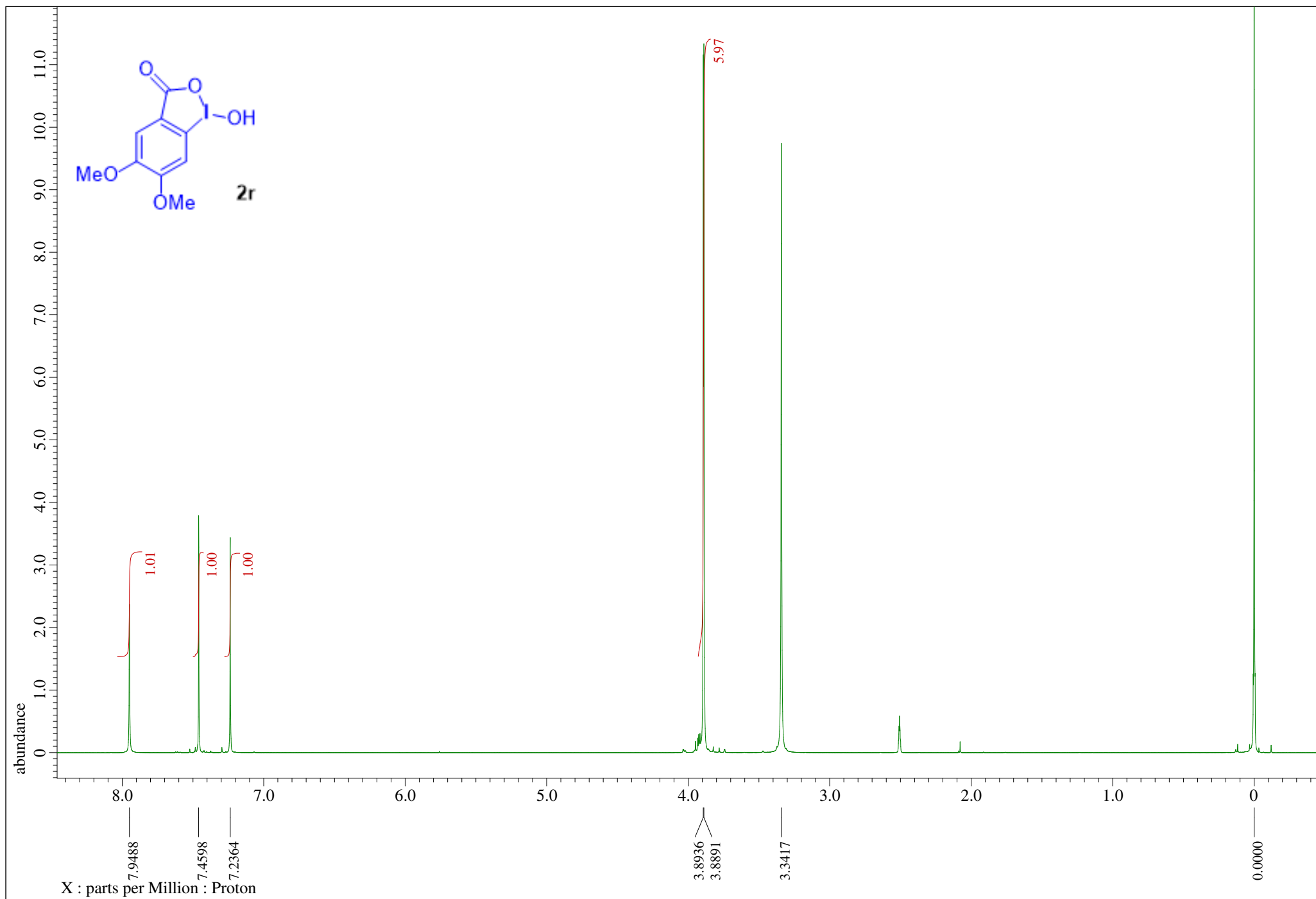
<sup>1</sup>H NMR Spectrum (500 MHz, DMSO-*d*<sub>6</sub>) of 2p



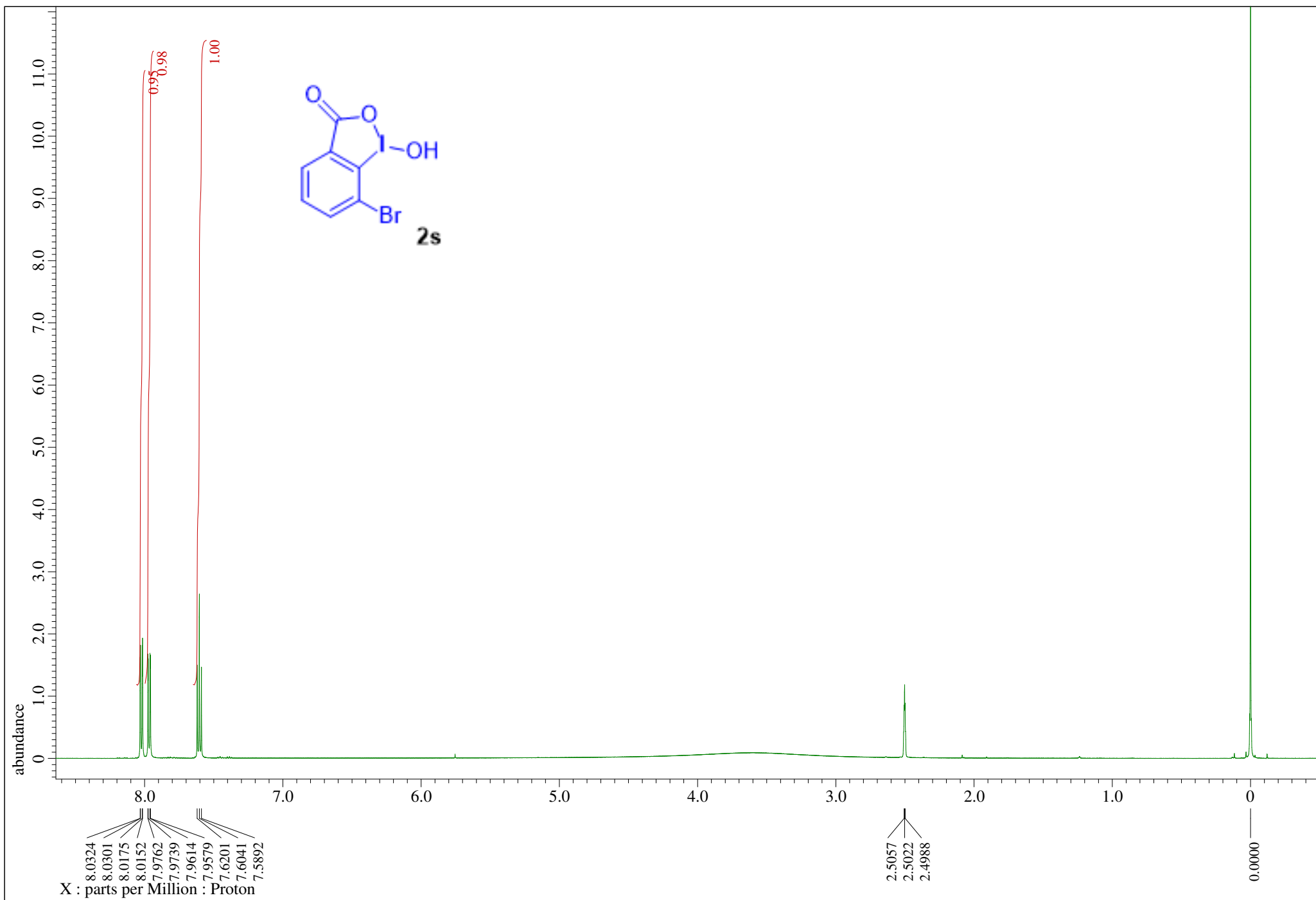
<sup>1</sup>H NMR Spectrum (500 MHz, DMSO-d<sub>6</sub>) of 2q



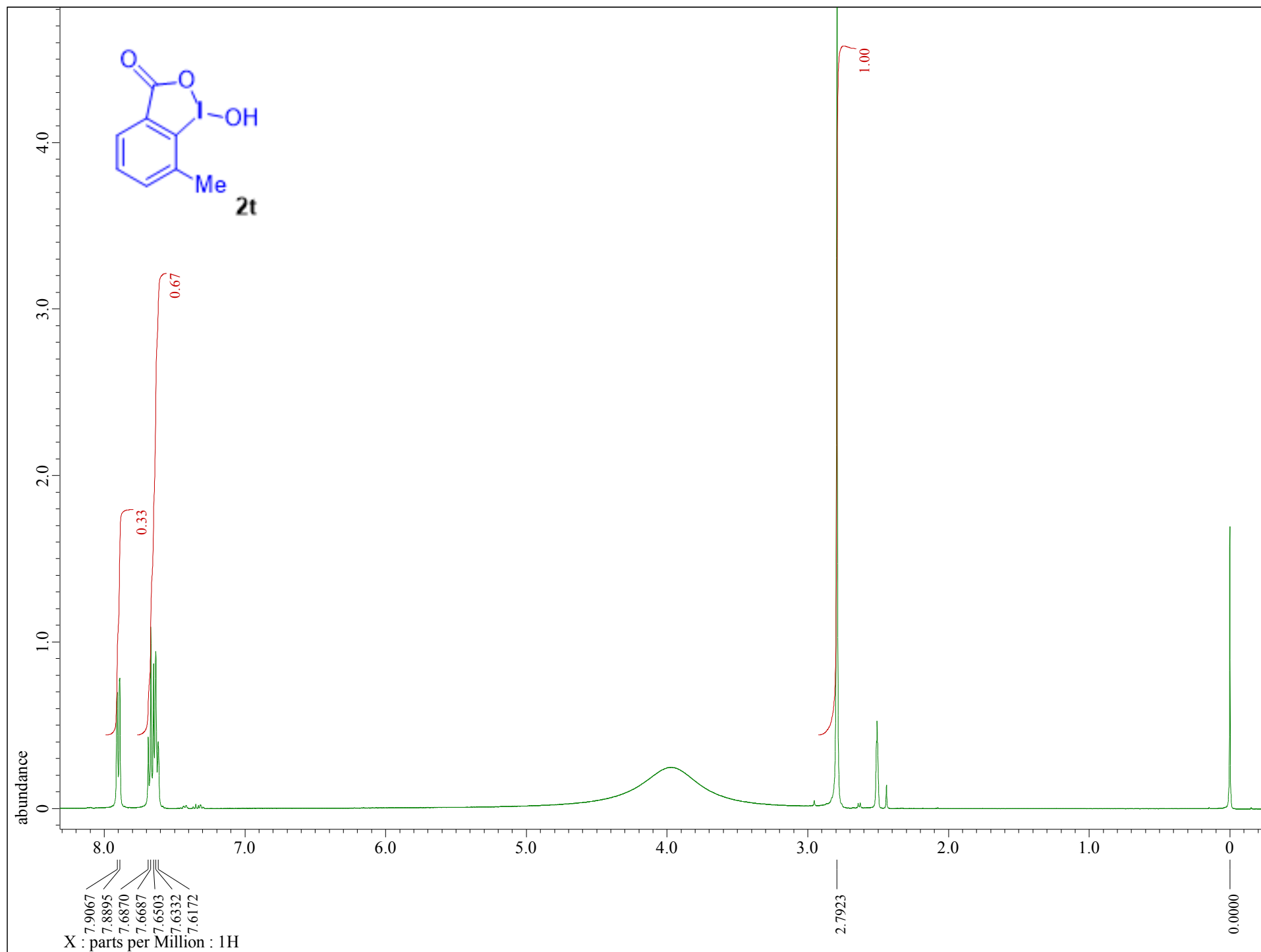
<sup>1</sup>H NMR Spectrum (500 MHz, DMSO-d<sub>6</sub>) of 2r



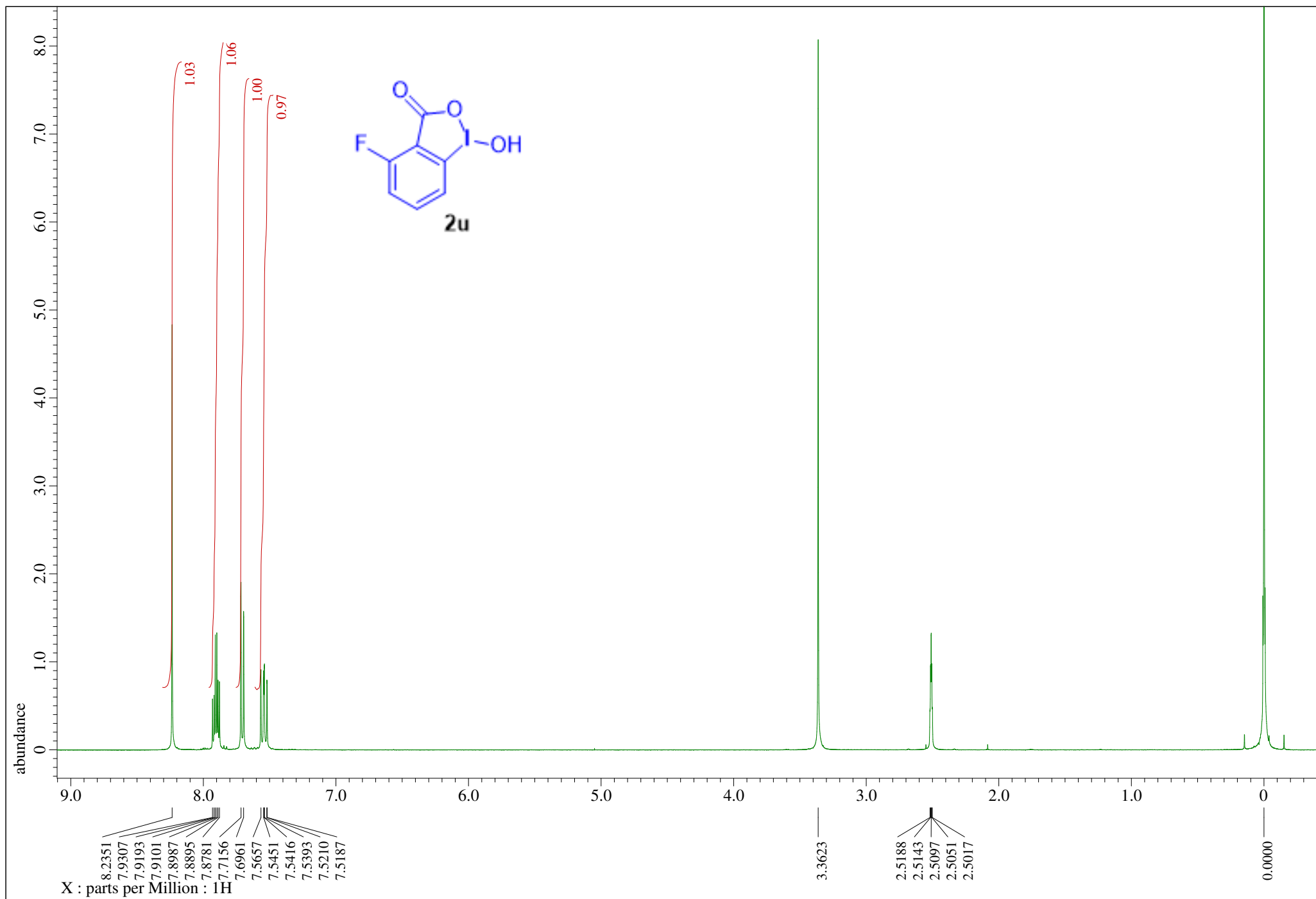
<sup>1</sup>H NMR Spectrum (500 MHz, DMSO-d<sub>6</sub>) of 2s



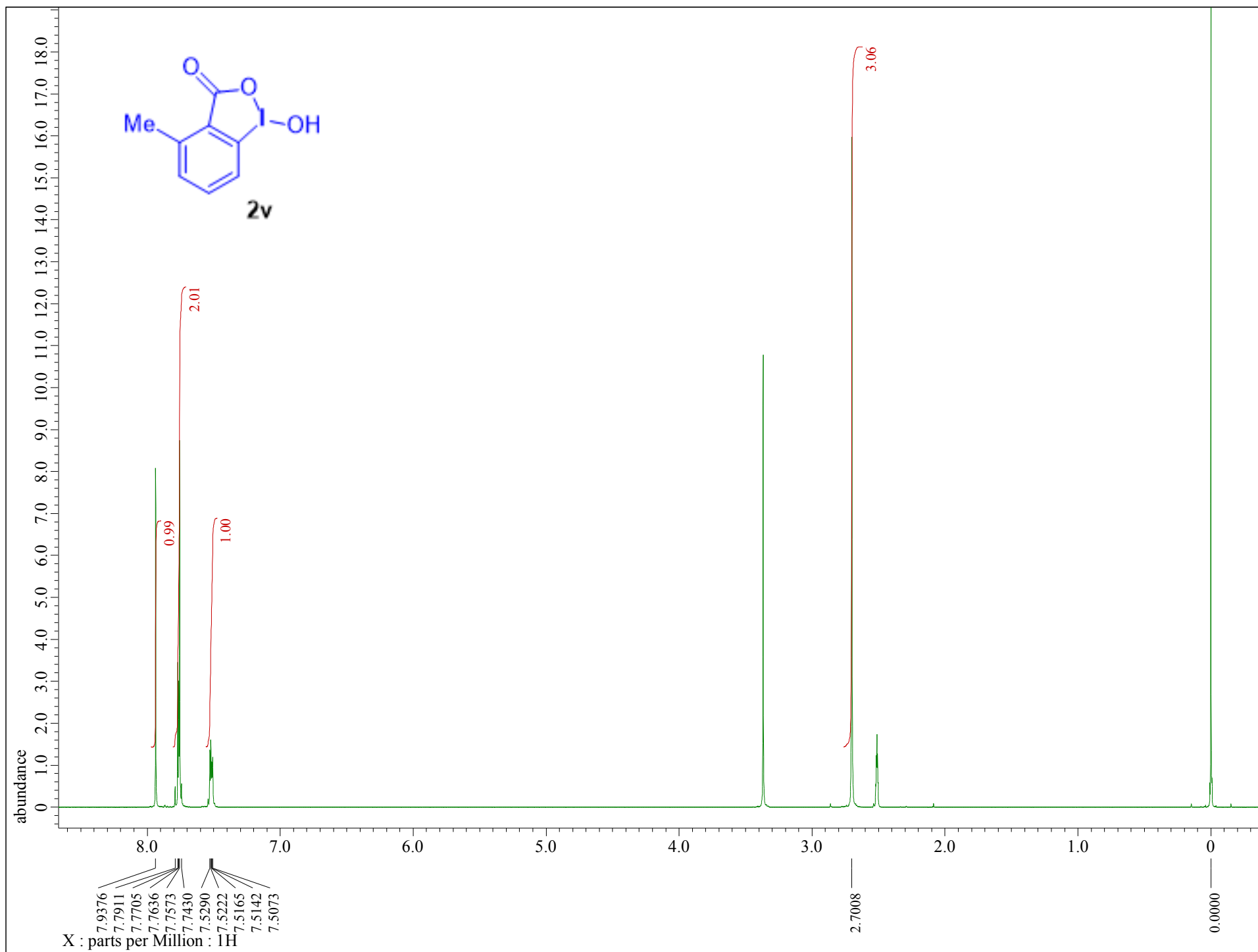
<sup>1</sup>H NMR Spectrum (400 MHz, DMSO-d<sub>6</sub>) of **2t**



<sup>1</sup>H NMR Spectrum (400 MHz, DMSO-d<sub>6</sub>) of **2u**



<sup>1</sup>H NMR Spectrum (400 MHz, DMSO-d<sub>6</sub>) of 2v



<sup>1</sup>H NMR Spectrum (400 MHz, DMSO-d<sub>6</sub>) of **4**

