

## Supplementary Material:

### *tert*-Butyl (*E*)-3-oxo-2-(3-oxoisobenzofuran-1(3*H*)-ylidene)butanoate

Alexandra S. Chechulina <sup>1</sup>, Ekaterina A. Knyazeva <sup>1</sup>, Bin Kan <sup>2</sup>, Tainan Duan <sup>3</sup> and Oleg A. Rakitin <sup>1,\*</sup>

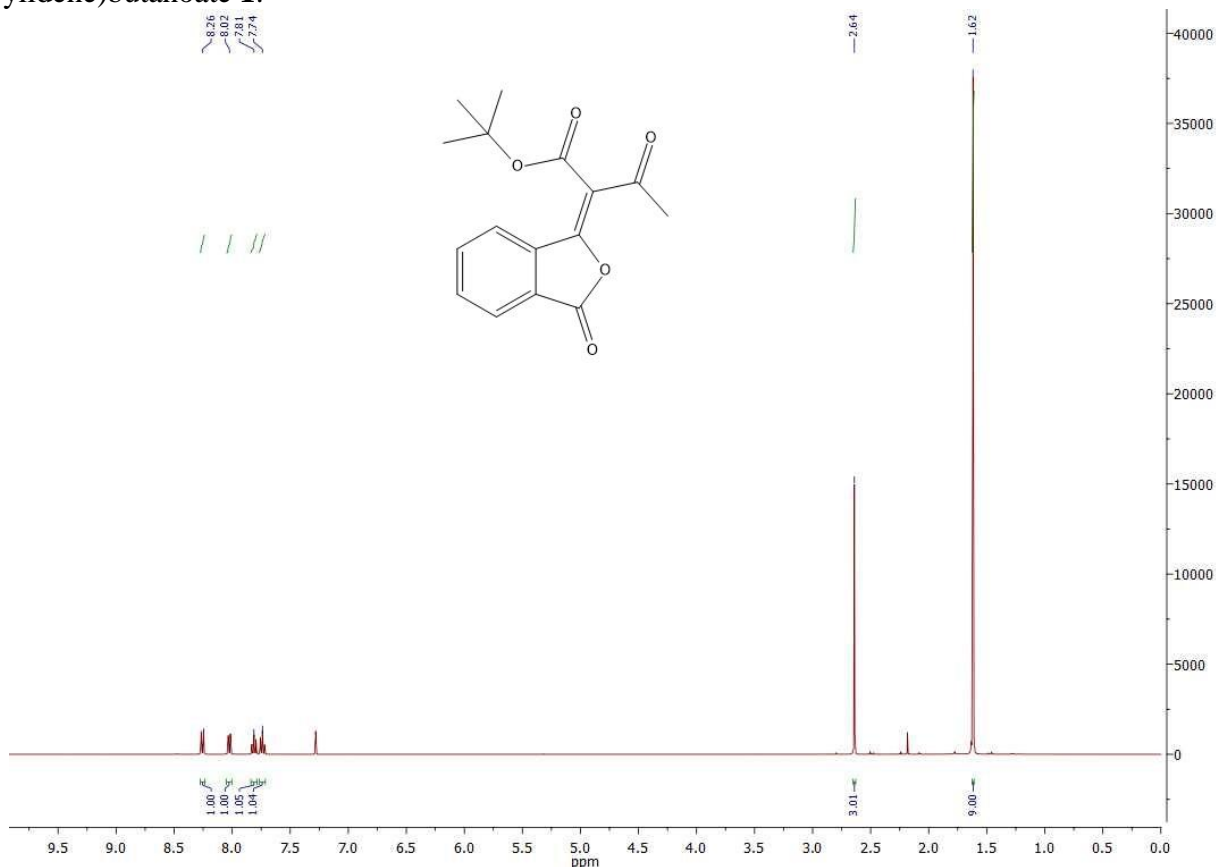
<sup>1</sup> N. D. Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences, 47 Leninsky Prospekt, Moscow 119991, Russia

<sup>2</sup> School of Materials Science and Engineering, National Institute for Advanced Materials, Nankai University, Tianjin 300350, China

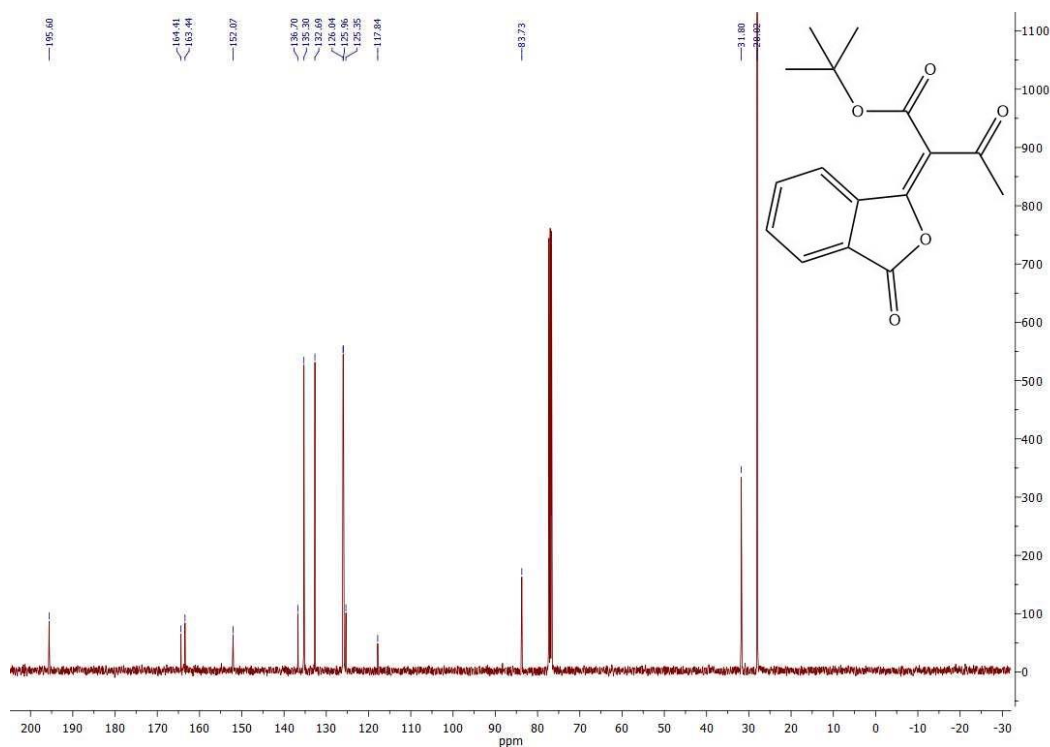
<sup>3</sup> State Key Laboratory of Elemento-Organic Chemistry, The Centre of Nanoscale Science and Technology and Key Laboratory of Functional Polymer Materials, College of Chemistry, Haihe Laboratory of Sustainable Chemical Transformations, Renewable Energy Conversion and Storage Center (RECAST), Nankai University, Tianjin 300071, China

\* Correspondence: orakitin@ioc.ac.ru; Tel.: +7-499-1355327

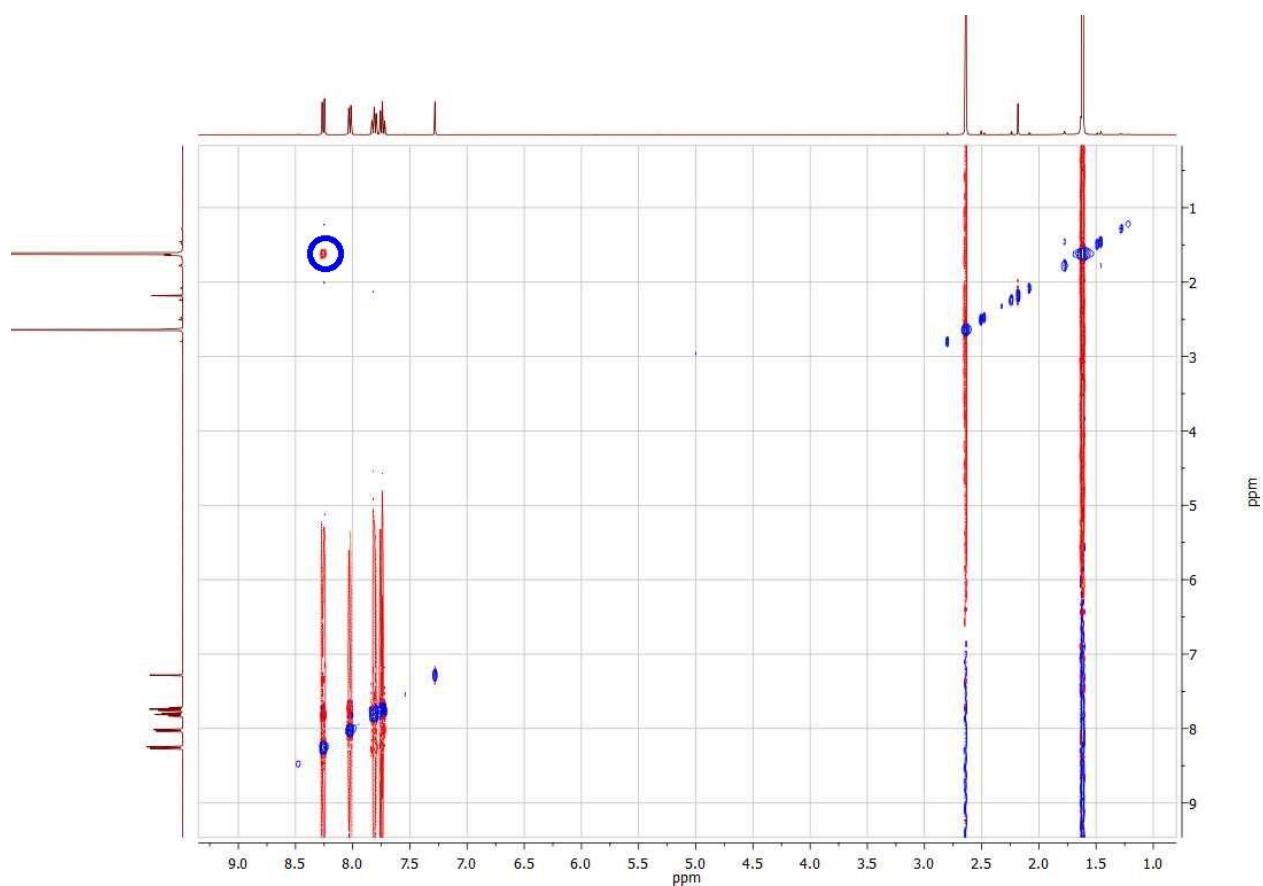
**Figure S1.** <sup>1</sup>H NMR spectrum of *tert*-butyl (*E*)-3-oxo-2-(3-oxoisobenzofuran-1(3*H*)-ylidene)butanoate **1**.



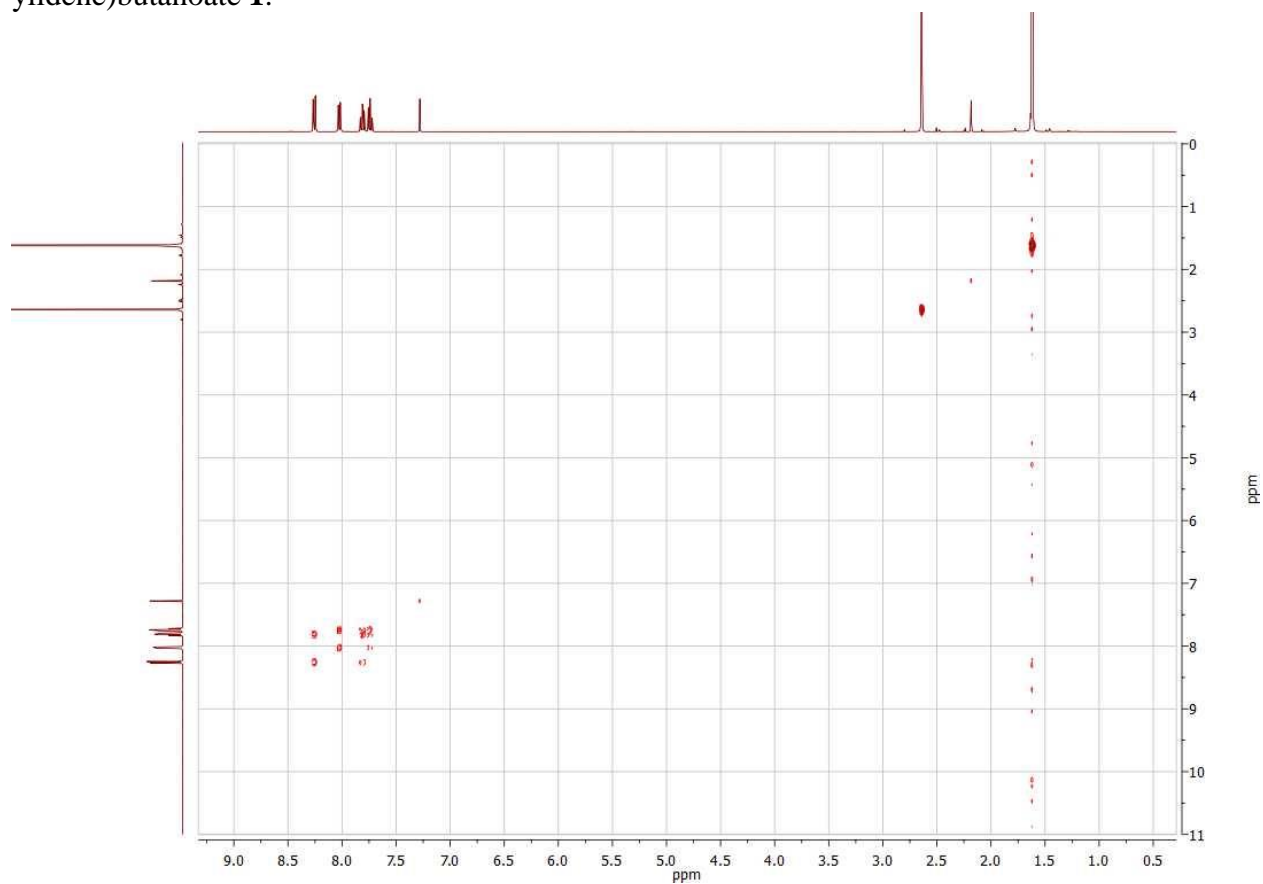
**Figure S2.**  $^{13}\text{C}$  NMR spectrum of *tert*-butyl (*E*)-3-oxo-2-(3-oxoisobenzofuran-1(*3H*)-ylidene)butanoate **1**.



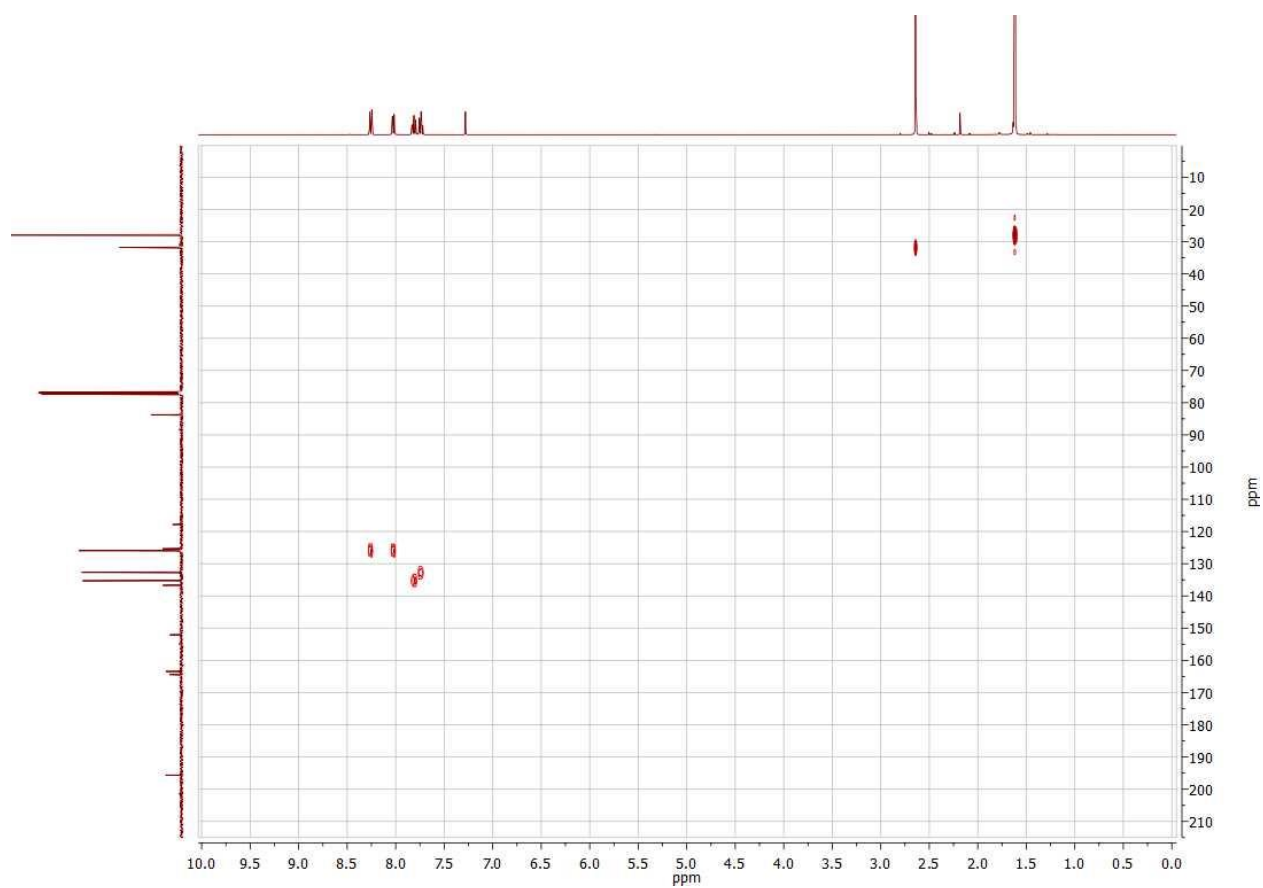
**Figure S3.** NOESY spectrum of *tert*-butyl (*E*)-3-oxo-2-(3-oxoisobenzofuran-1(*3H*)-ylidene)butanoate **1**.



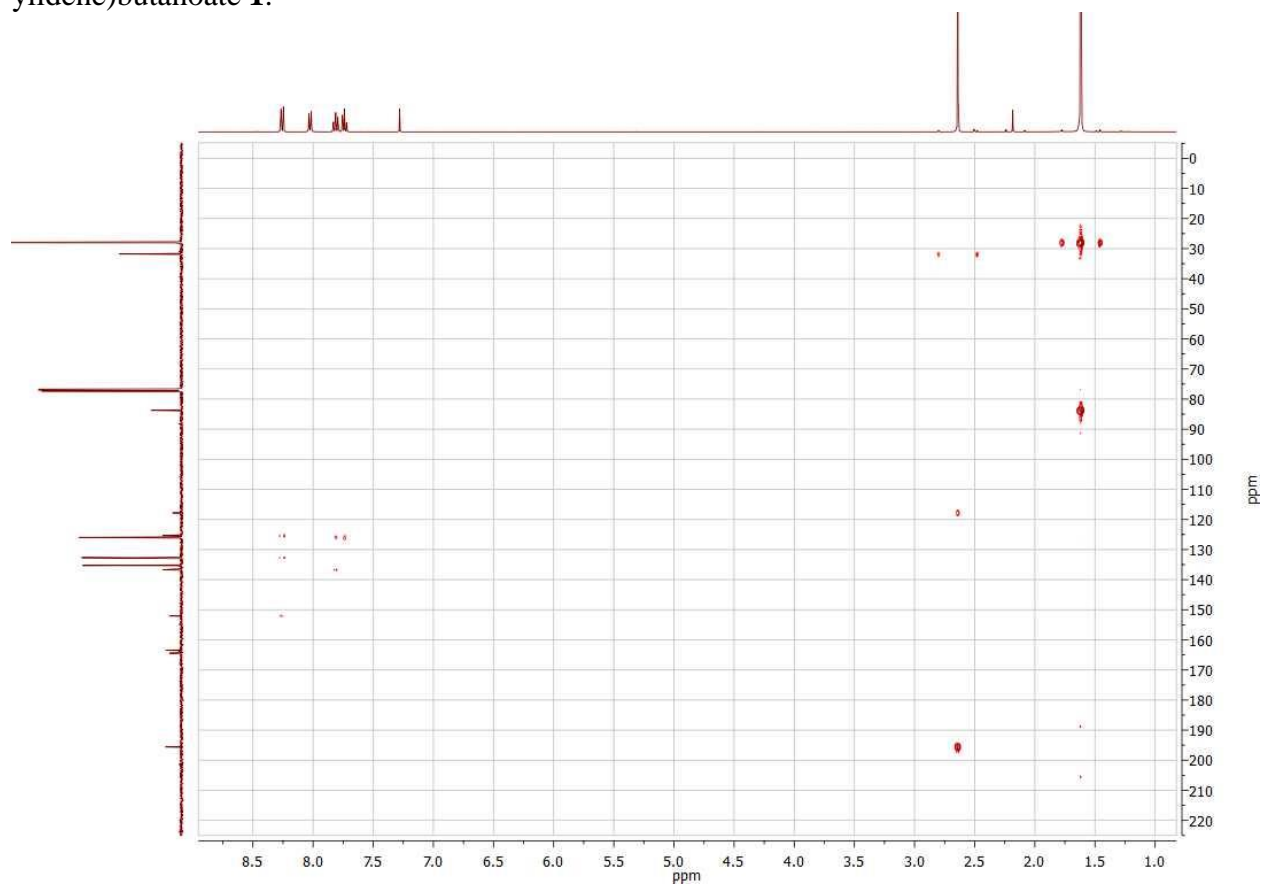
**Figure S4.** COSY spectrum of *tert*-butyl (*E*)-3-oxo-2-(3-oxoisobenzofuran-1(*3H*)-ylidene)butanoate **1**.



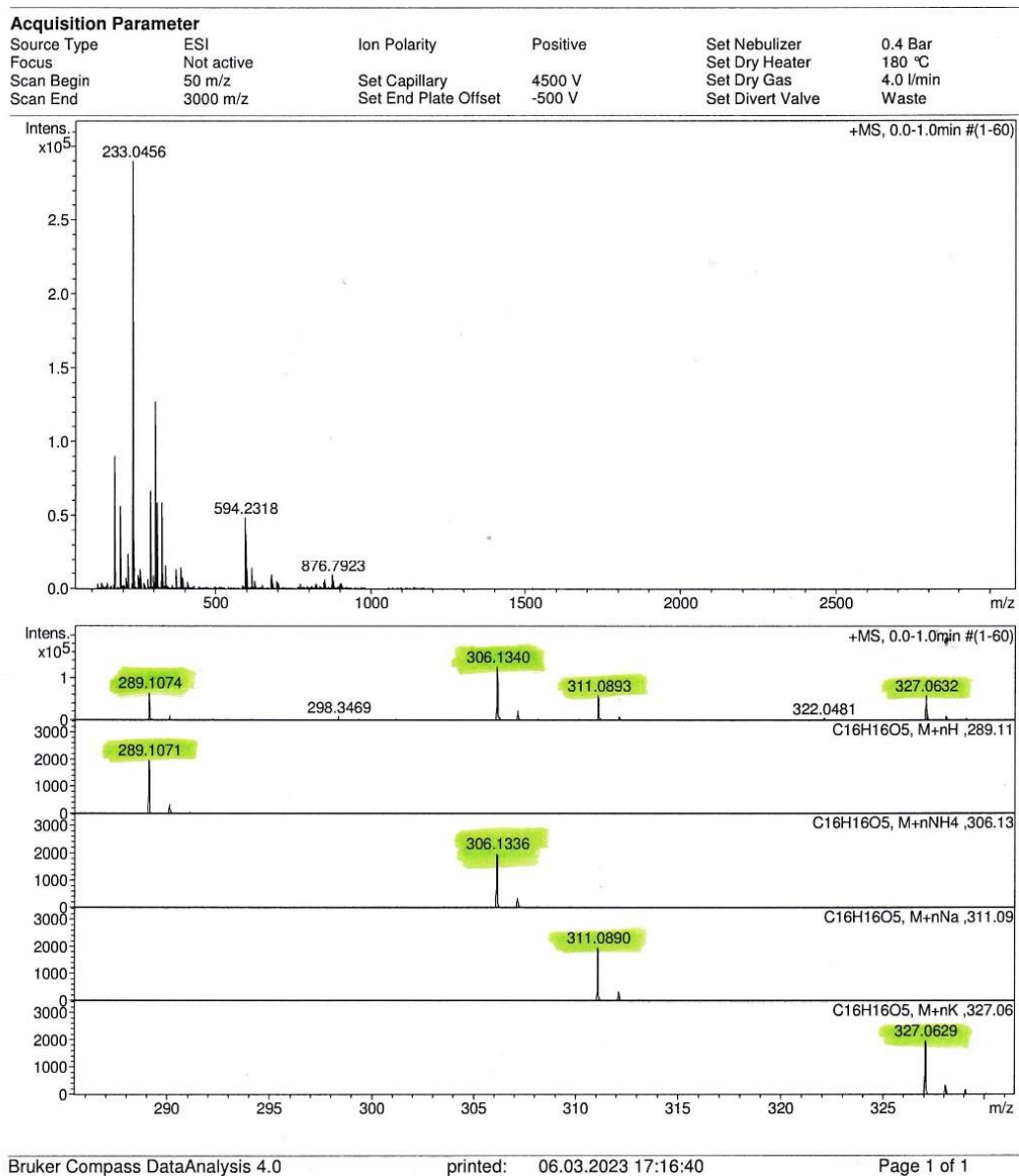
**Figure S5.** HSQC spectrum of *tert*-butyl (*E*)-3-oxo-2-(3-oxoisobenzofuran-1(*3H*)-ylidene)butanoate **1**.



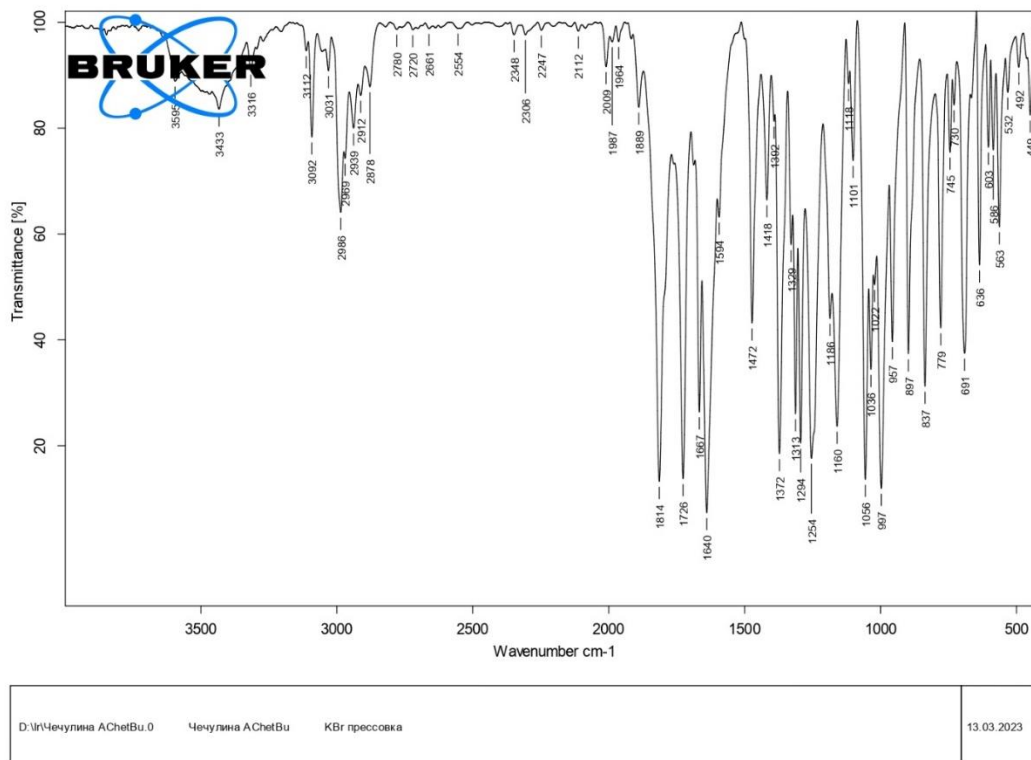
**Figure S6.** HMBC spectrum of *tert*-butyl (*E*)-3-oxo-2-(3-oxoisobenzofuran-1(3*H*)-ylidene)butanoate **1**.



**Figure S7.** HRMS spectrum of *tert*-butyl (*E*)-3-oxo-2-(3-oxoisobenzofuran-1(*3H*)-ylidene)butanoate **1**.



**Figure S8.** IR spectrum of *tert*-butyl (*E*)-3-oxo-2-(3-oxoisobenzofuran-1(*3H*)-ylidene)butanoate **1**.



Page 1/1

**Figure S9.** Mass-spectrum of *tert*-butyl (*E*)-3-oxo-2-(3-oxoisobenzofuran-1(*3H*)-ylidene)butanoate **1**.

