

## Supplementary Information

### Synthesis and Evaluation of Antineurotoxicity Properties of an Amyloid- $\beta$ Peptide Targeting Ligand Containing the Triamino Acid, *N*<sup>γ</sup>-(2-Aminoethyl)-2,4-diaminobutanoate

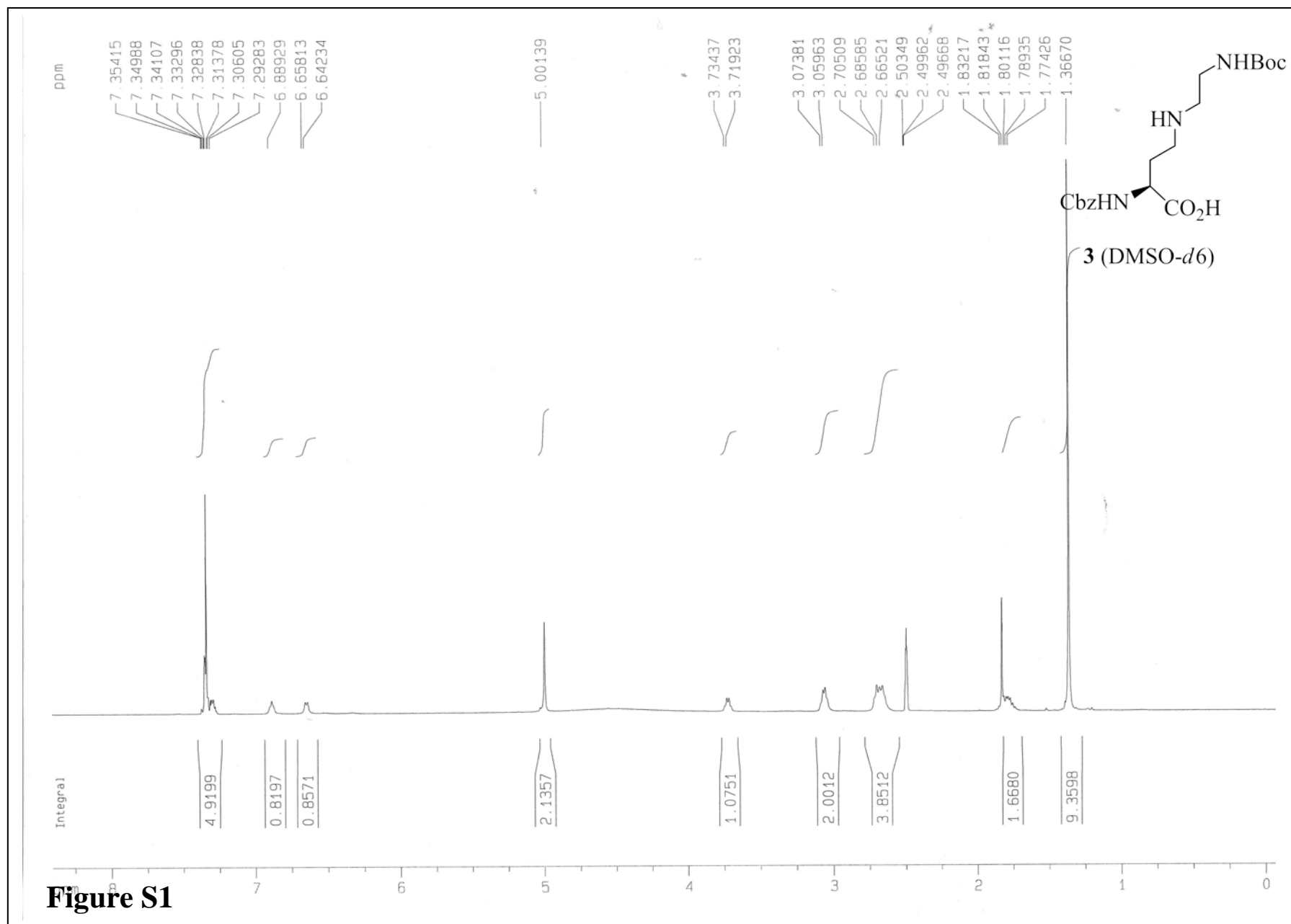
Dmytro Honcharenko<sup>a,\*</sup>, Partha Pratim Bose<sup>a</sup>, Jyotirmoy Maity<sup>a</sup>, Firoz Roshan Kurudenkandy<sup>b</sup>, Alok Juneja<sup>a</sup>, Erik Flöistrup<sup>a</sup>, Henrik Biverstål<sup>b</sup>, Jan Johansson<sup>b</sup>, Lennart Nilsson<sup>a</sup>, André Fisahn<sup>b</sup> and Roger Strömberg<sup>a,\*</sup>

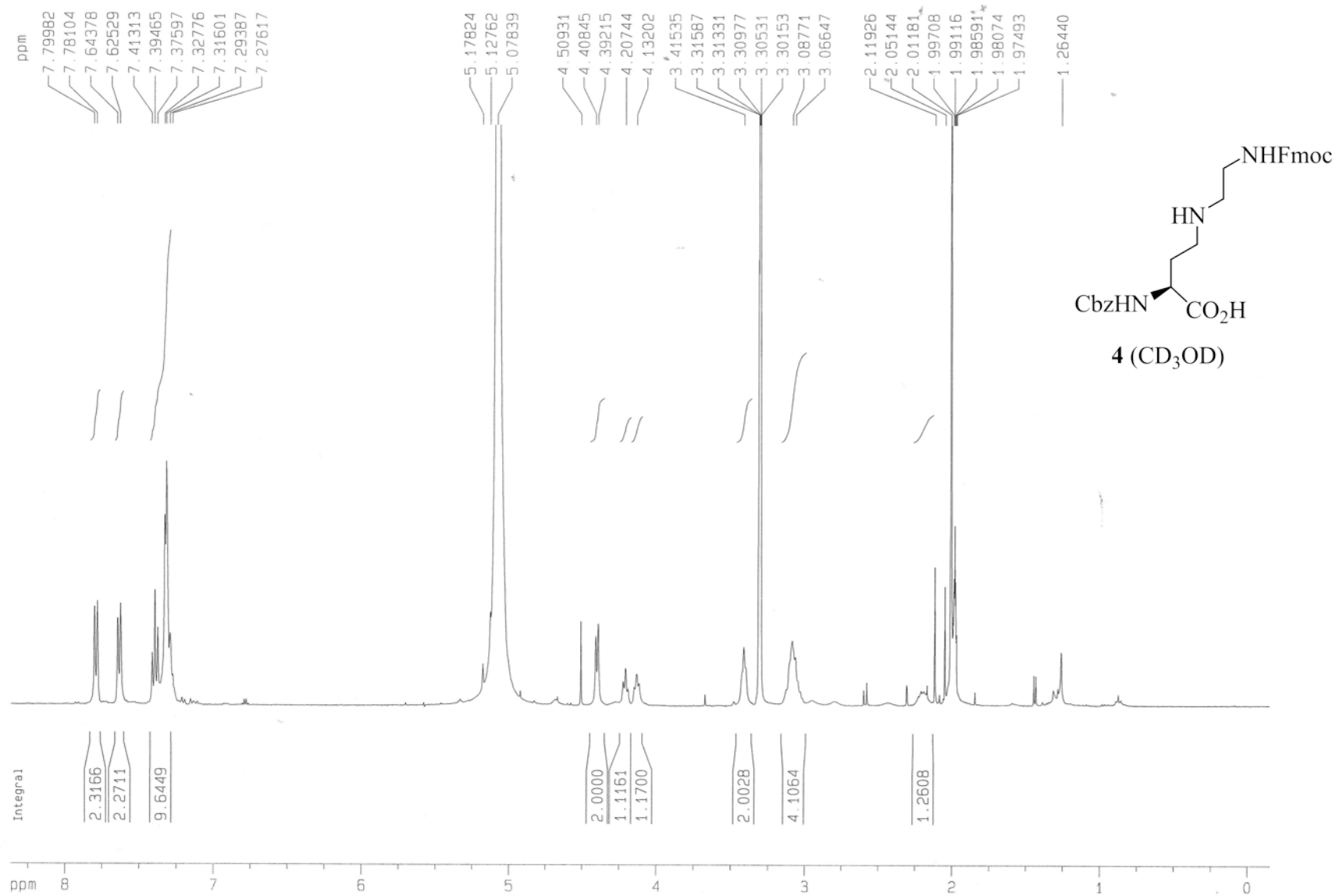
<sup>a</sup> Department of Biosciences and Nutrition, Karolinska Institutet, S-14183 Huddinge, Sweden

<sup>b</sup> KI-Alzheimer Disease Research Center, Department of Neurobiology, Care Sciences and Society, Karolinska Institute, Stockholm, Sweden

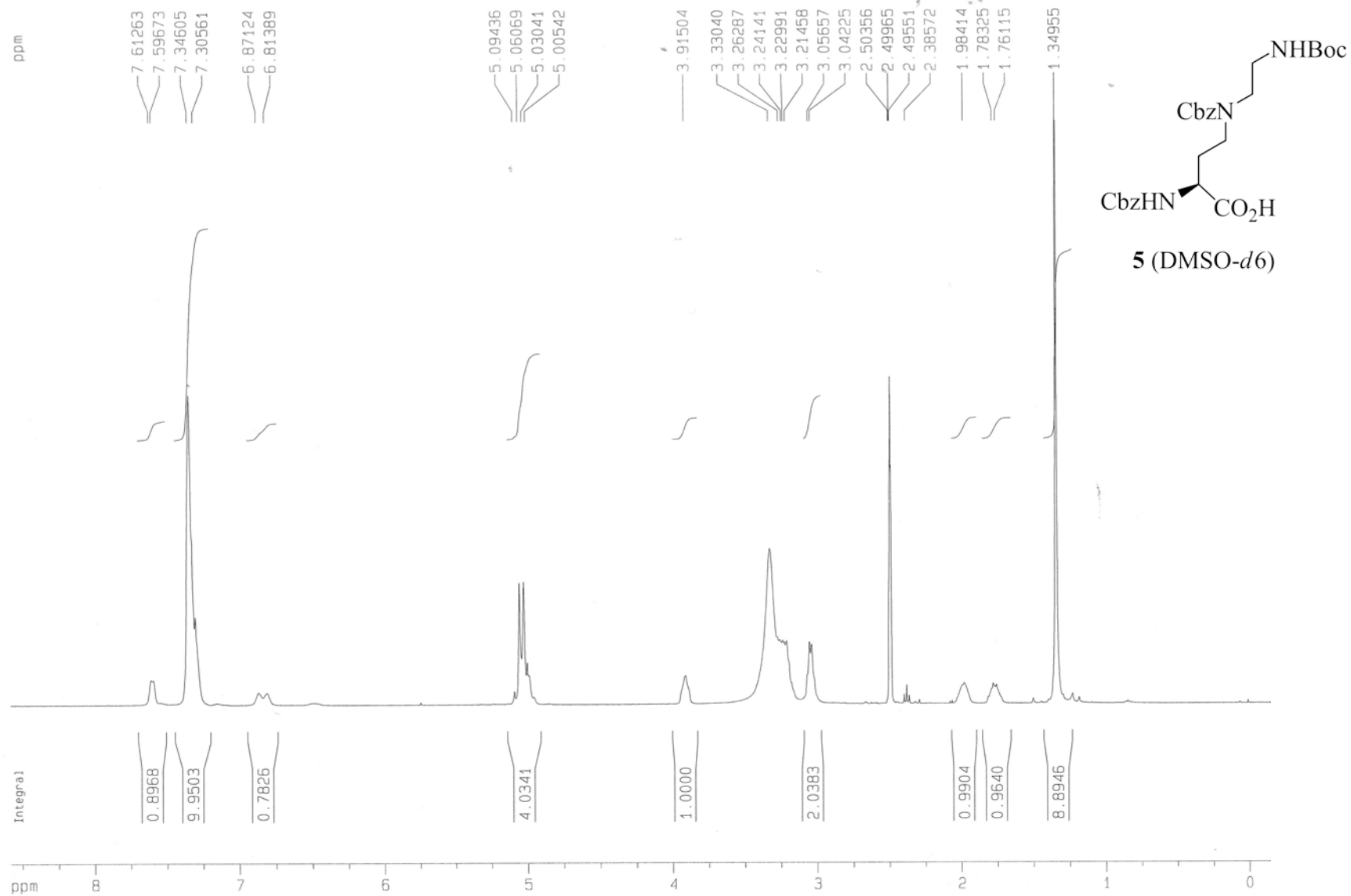
#### Table of Contents

<b>Figures S1-S6:</b> <sup>1</sup> H NMR spectra of compounds <b>3-6</b> , <b>11</b> , <b>12</b> .....	S2-S7
<b>Figures S7-S10:</b> <sup>13</sup> C APT NMR spectra of compounds <b>3-6</b> .....	S8-S11
<b>Figures S11-S12:</b> ESI-TOF MS spectra of compounds <b>11</b> and <b>12</b> .....	S12-S13
<b>Figures S13-S14:</b> HPLC chromatograms of crude compounds <b>11</b> and <b>12</b> .....	S14-S15
<b>Figures S15-S16:</b> COSY spectrum of compound <b>11</b> .....	S16-S17
<b>Figures S17-S18:</b> COSY spectrum of compound <b>12</b> .....	S18-S19

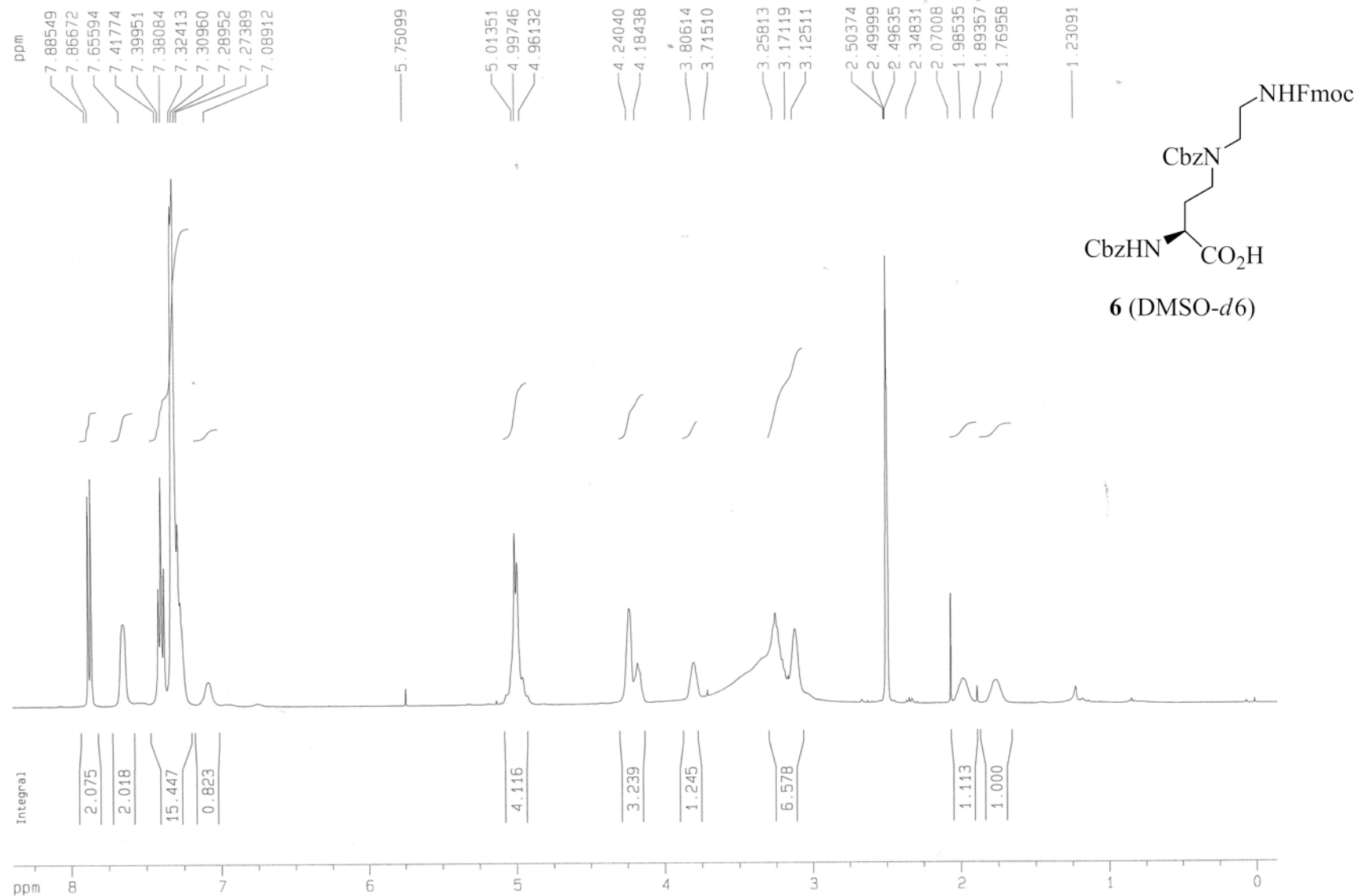




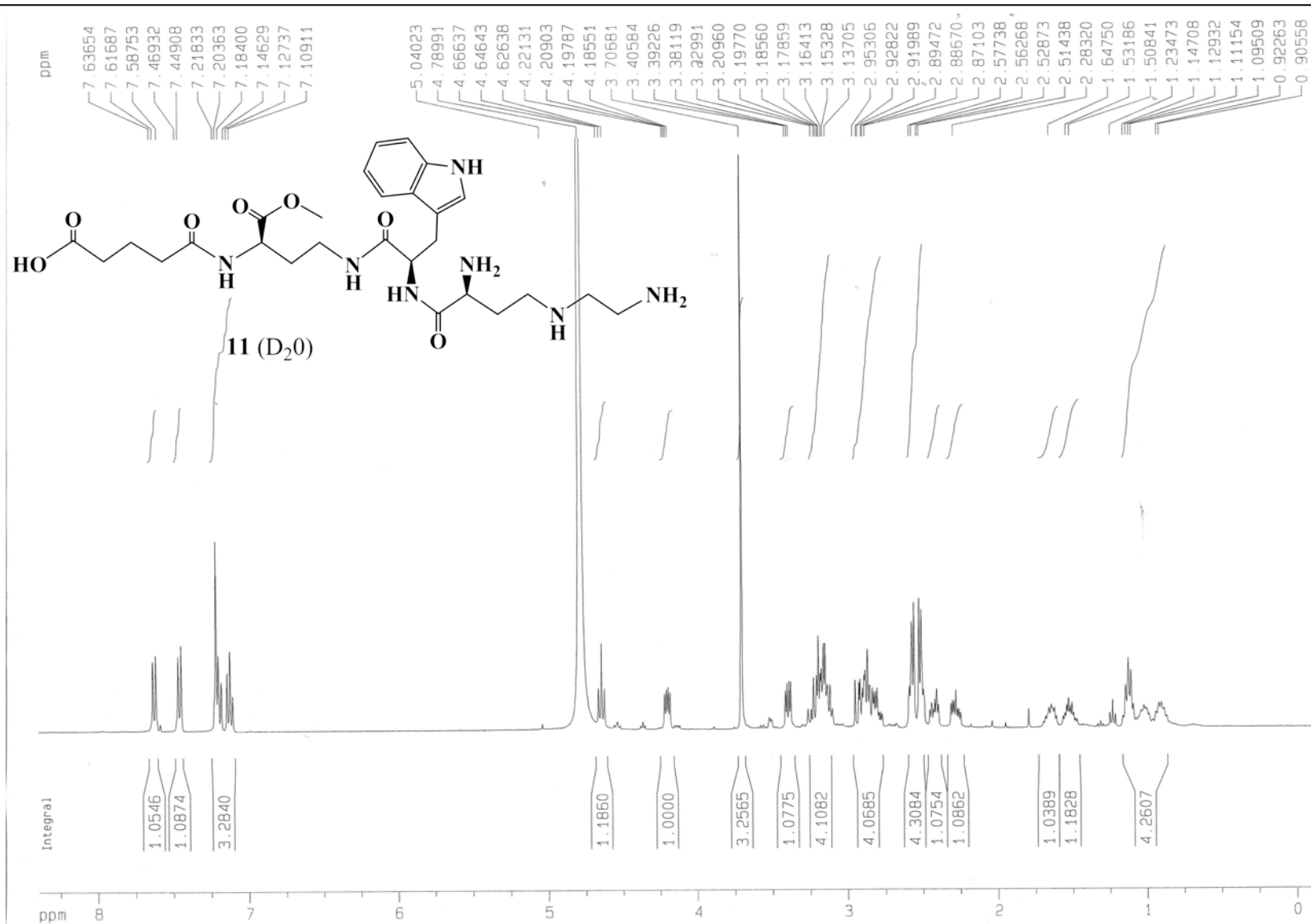
**Figure S2**



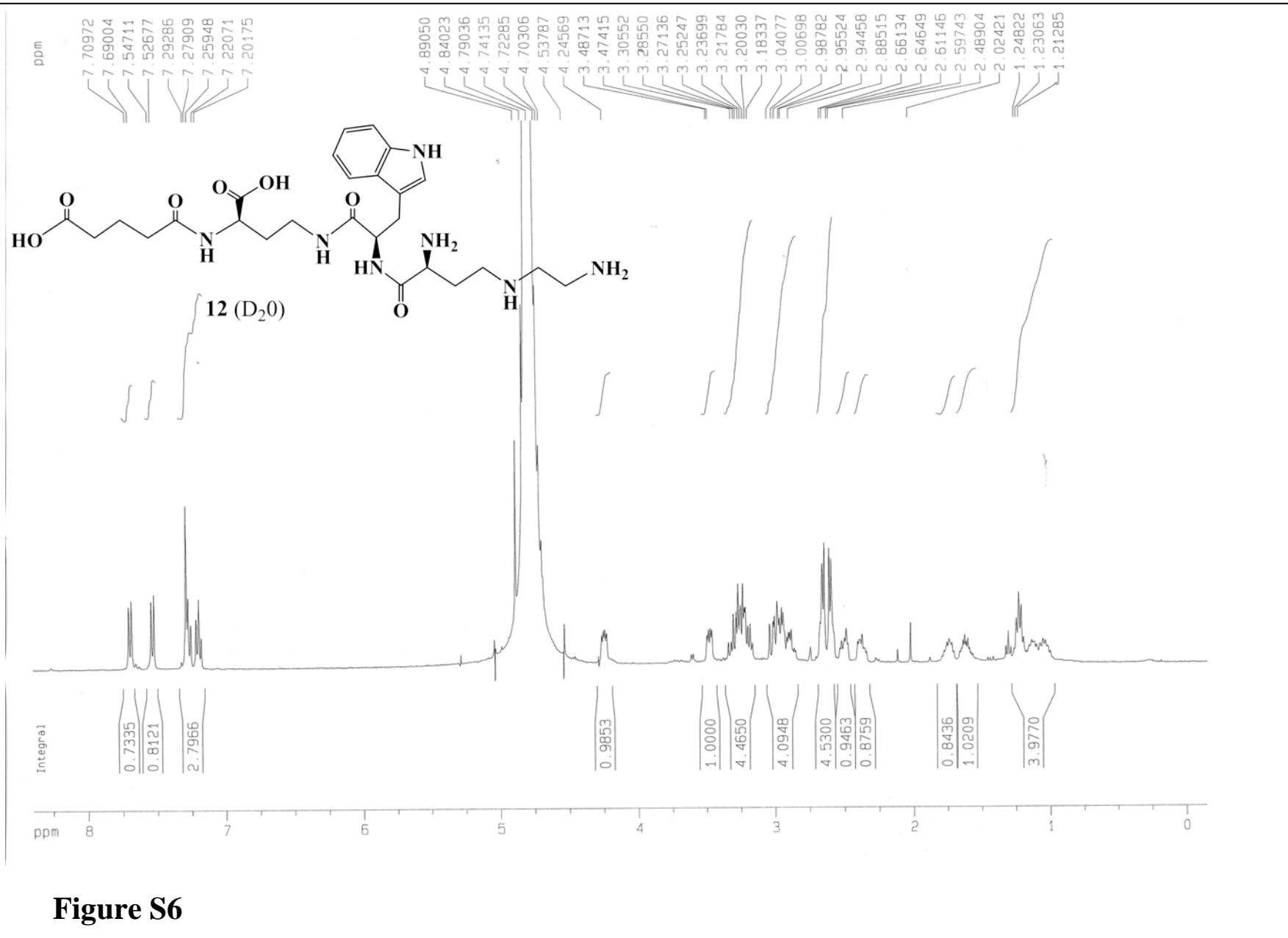
**Figure S3**

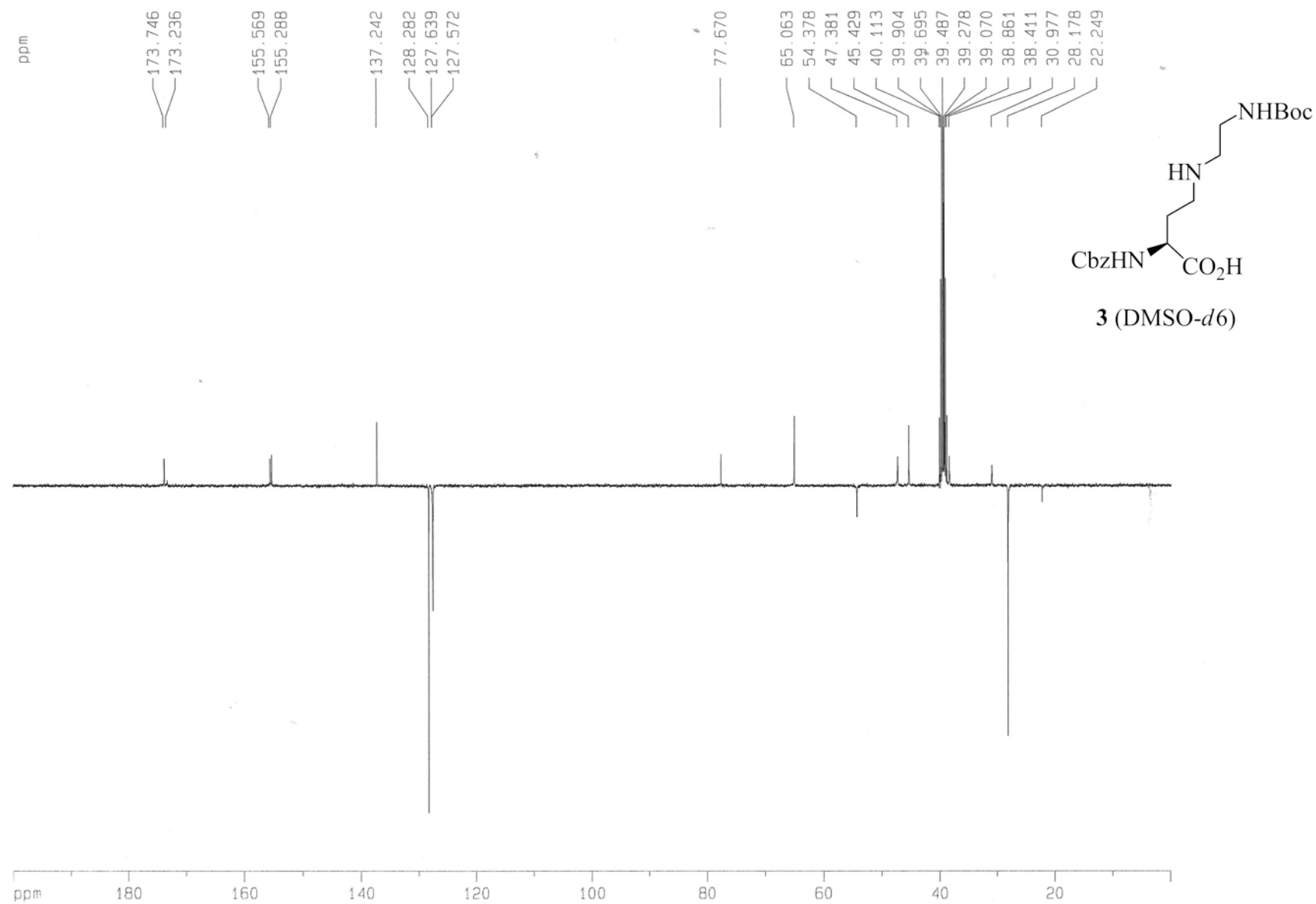


**Figure S4**



**Figure S5**





**Figure S7**

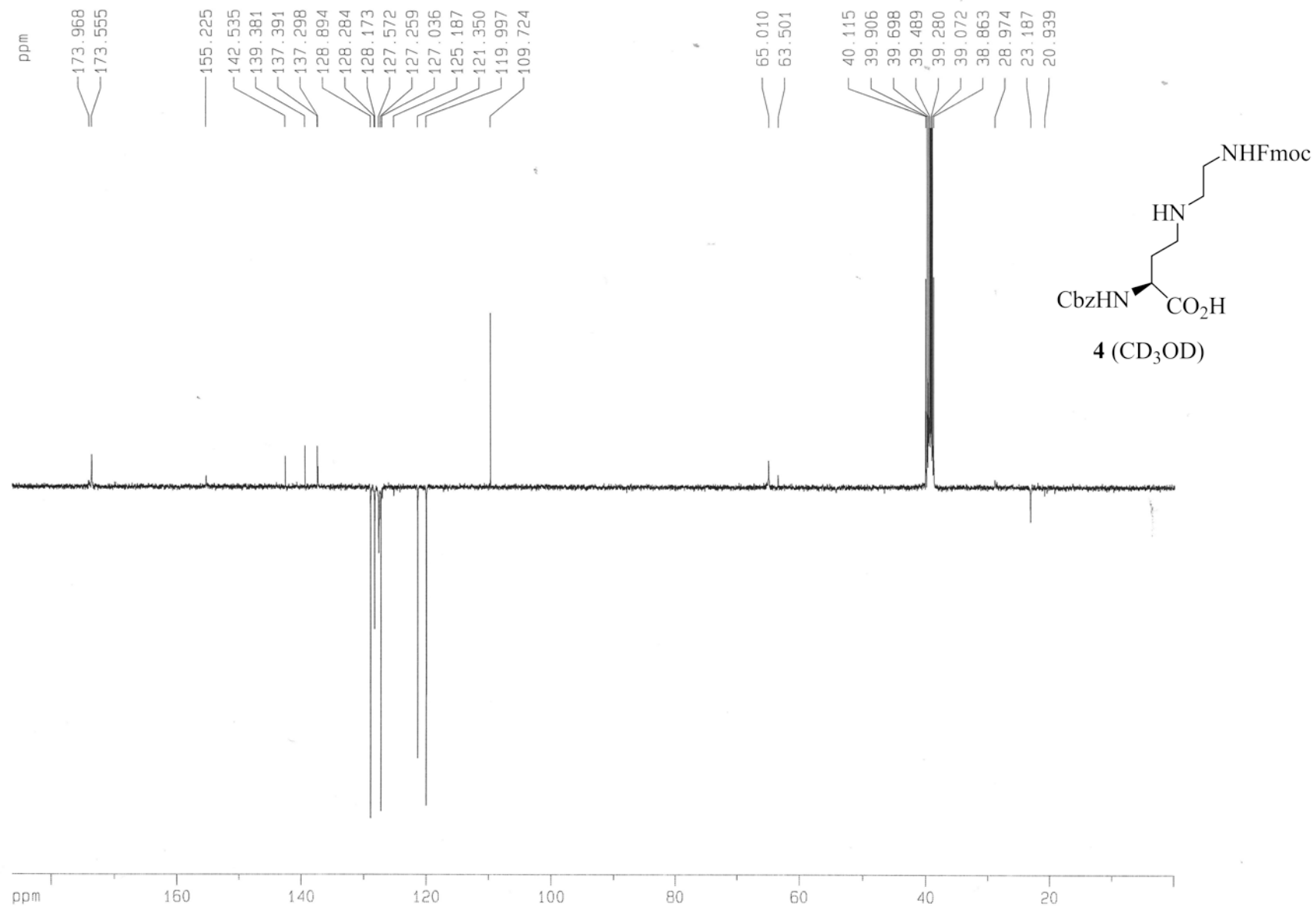
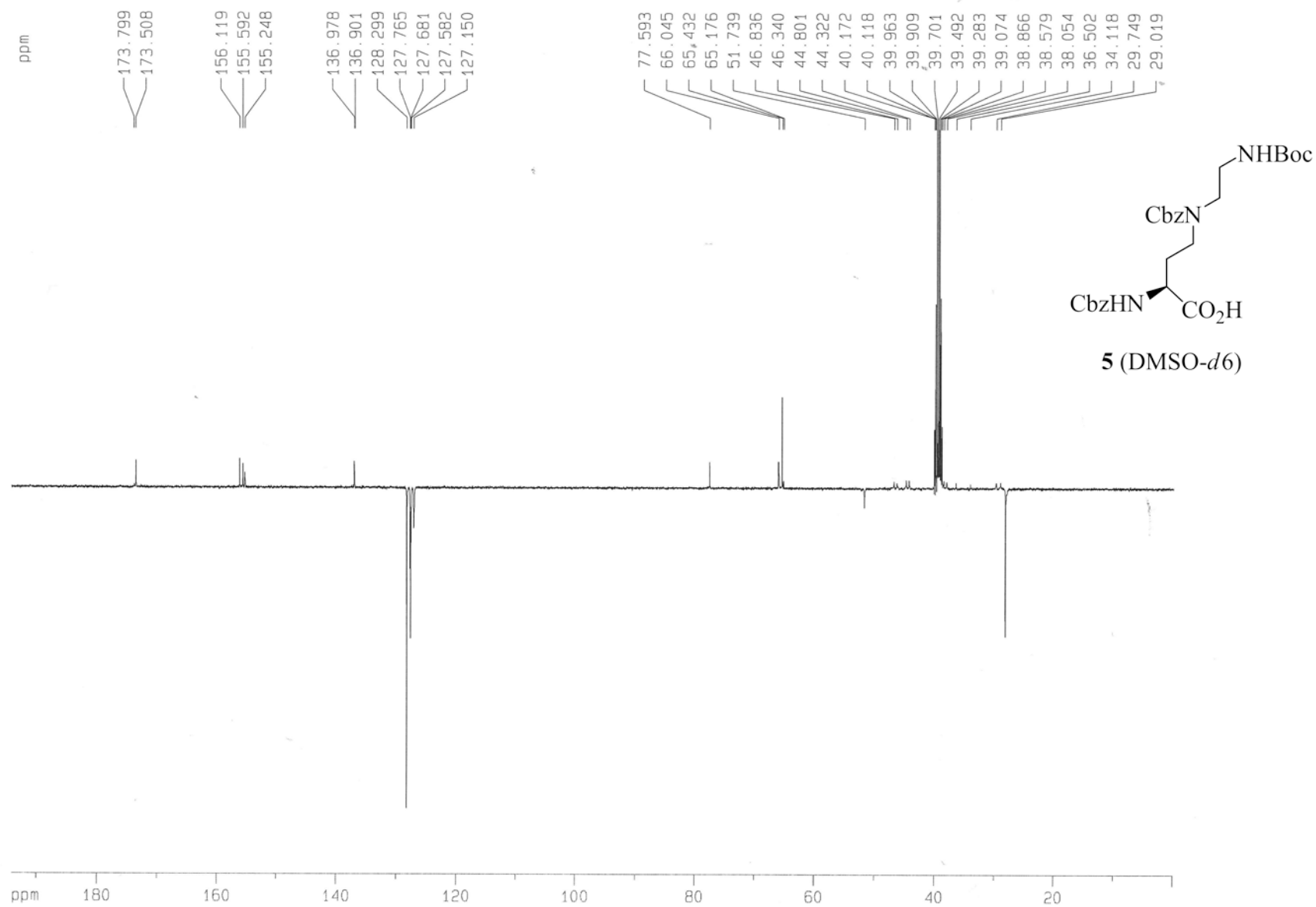
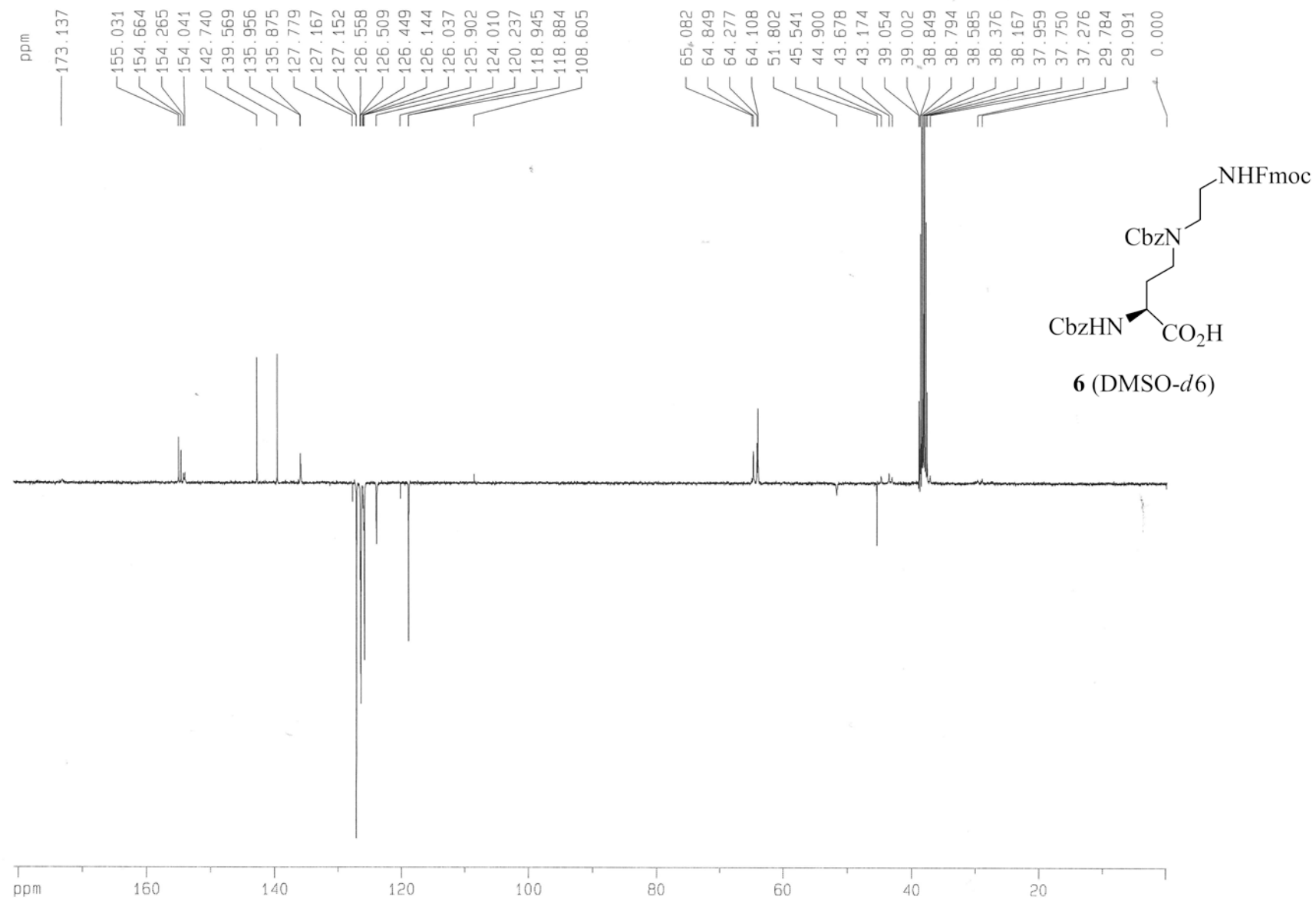


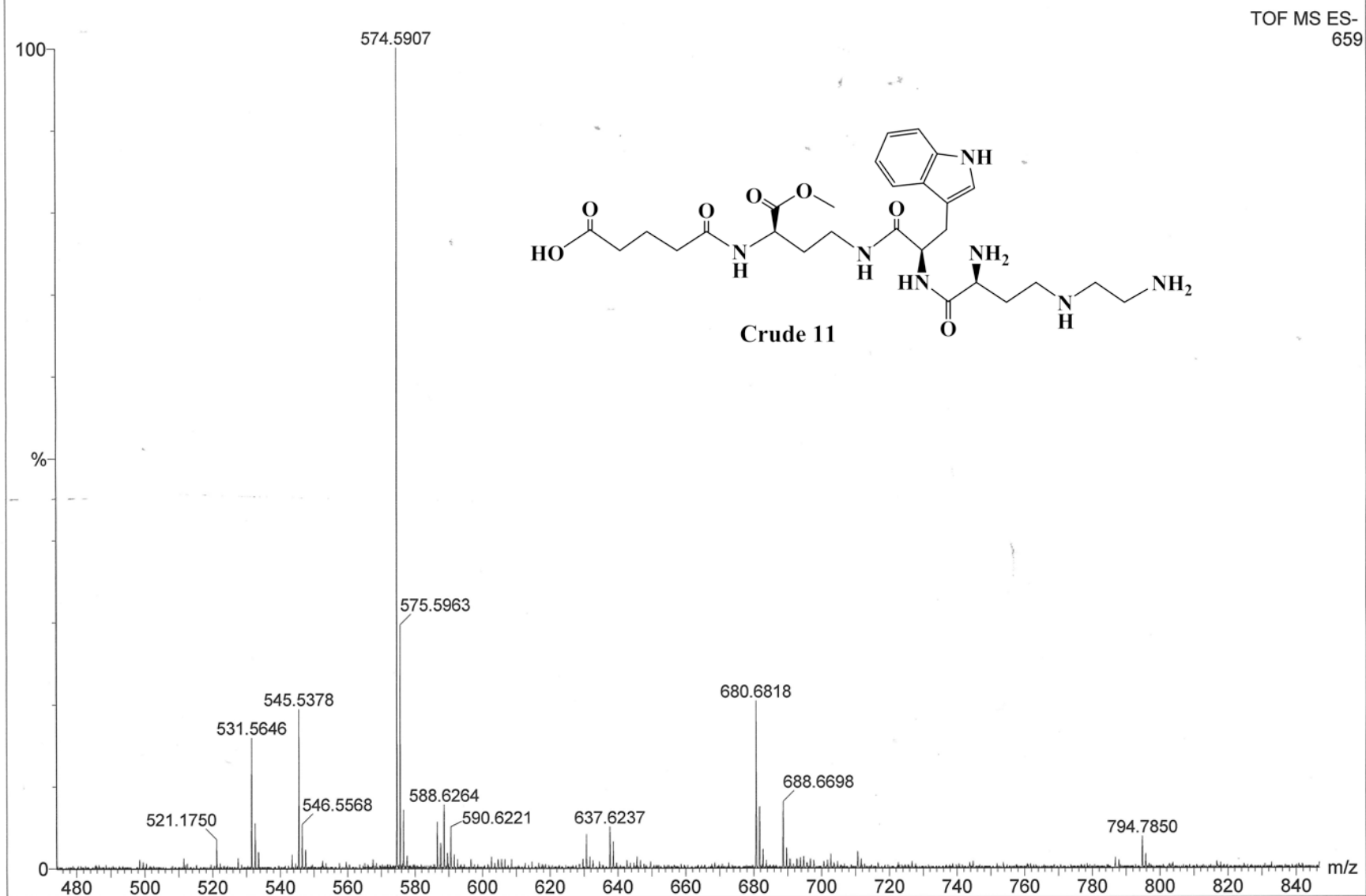
Figure S8



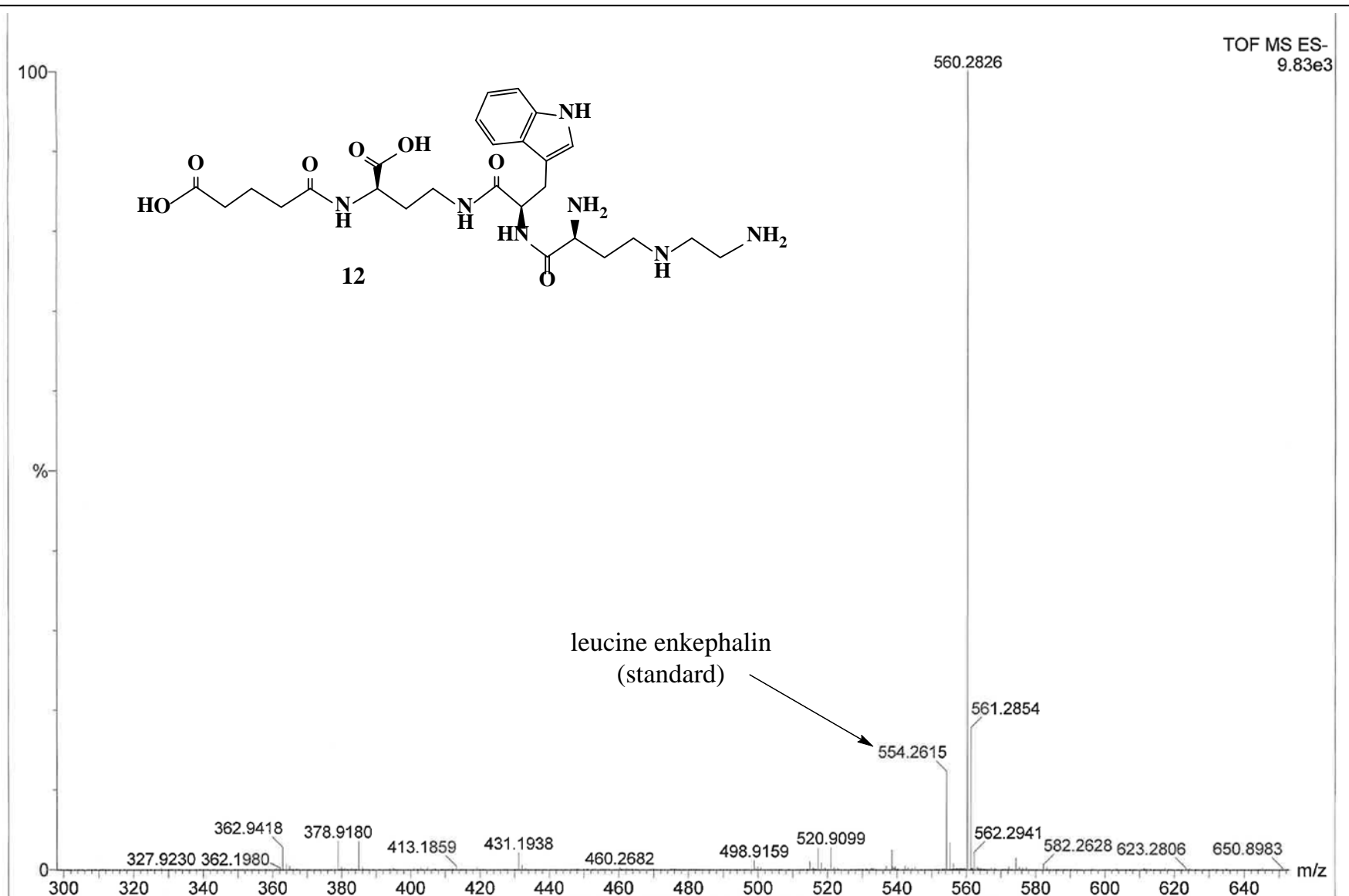
**Figure S9**



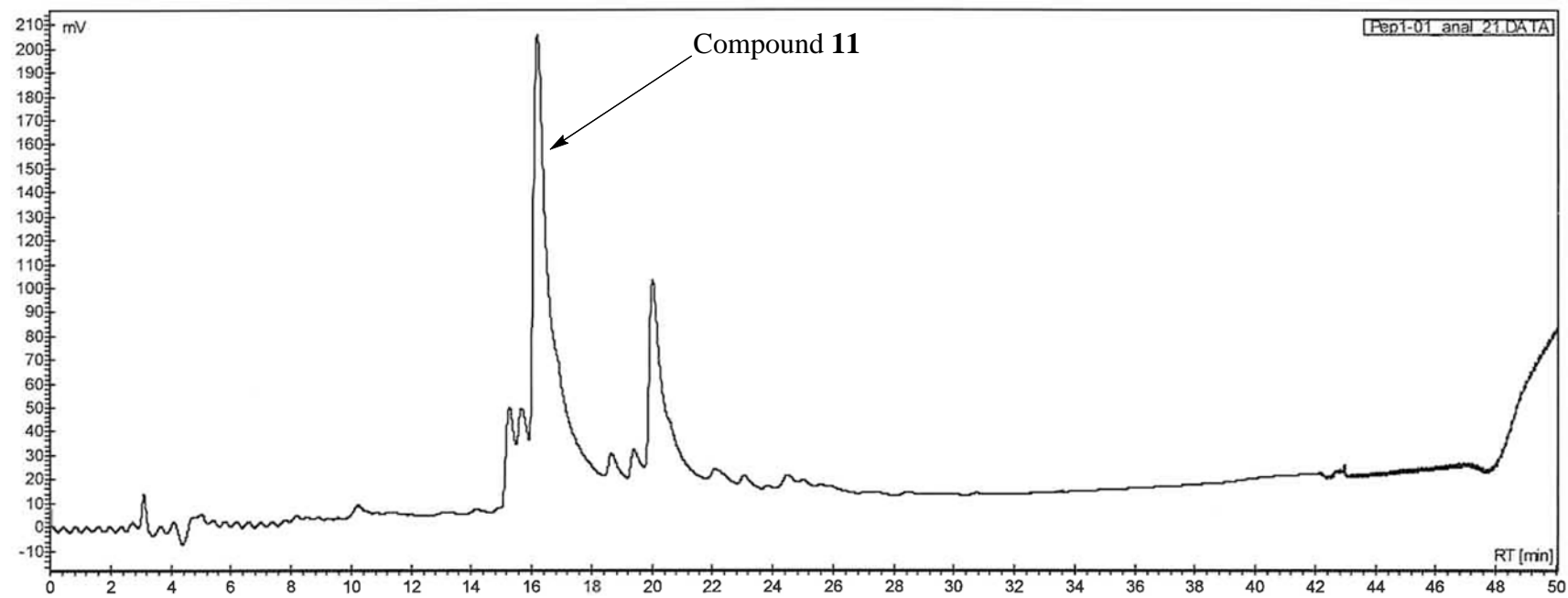
**Figure S10**



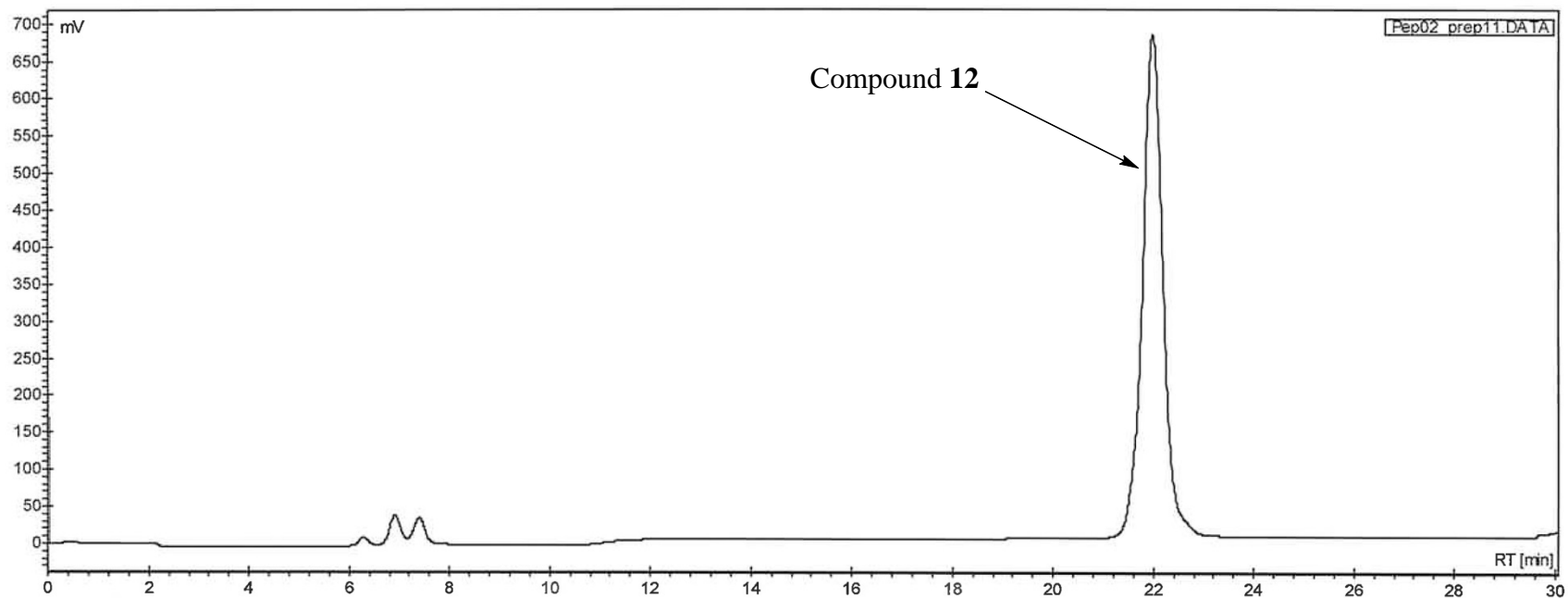
**Figure S11**



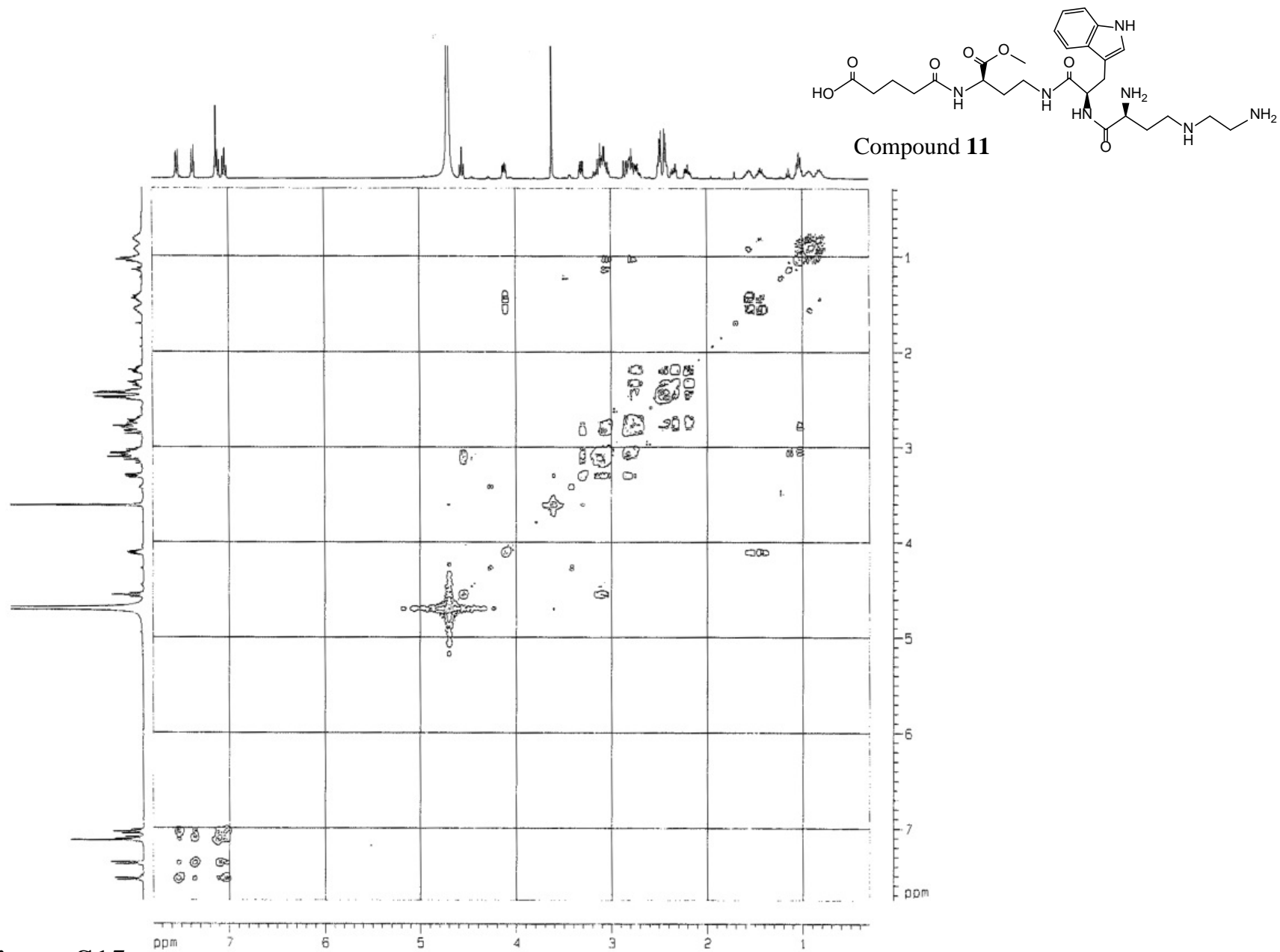
**Figure S12**



**Figure S13**



**Figure S14**



**Figure S15**

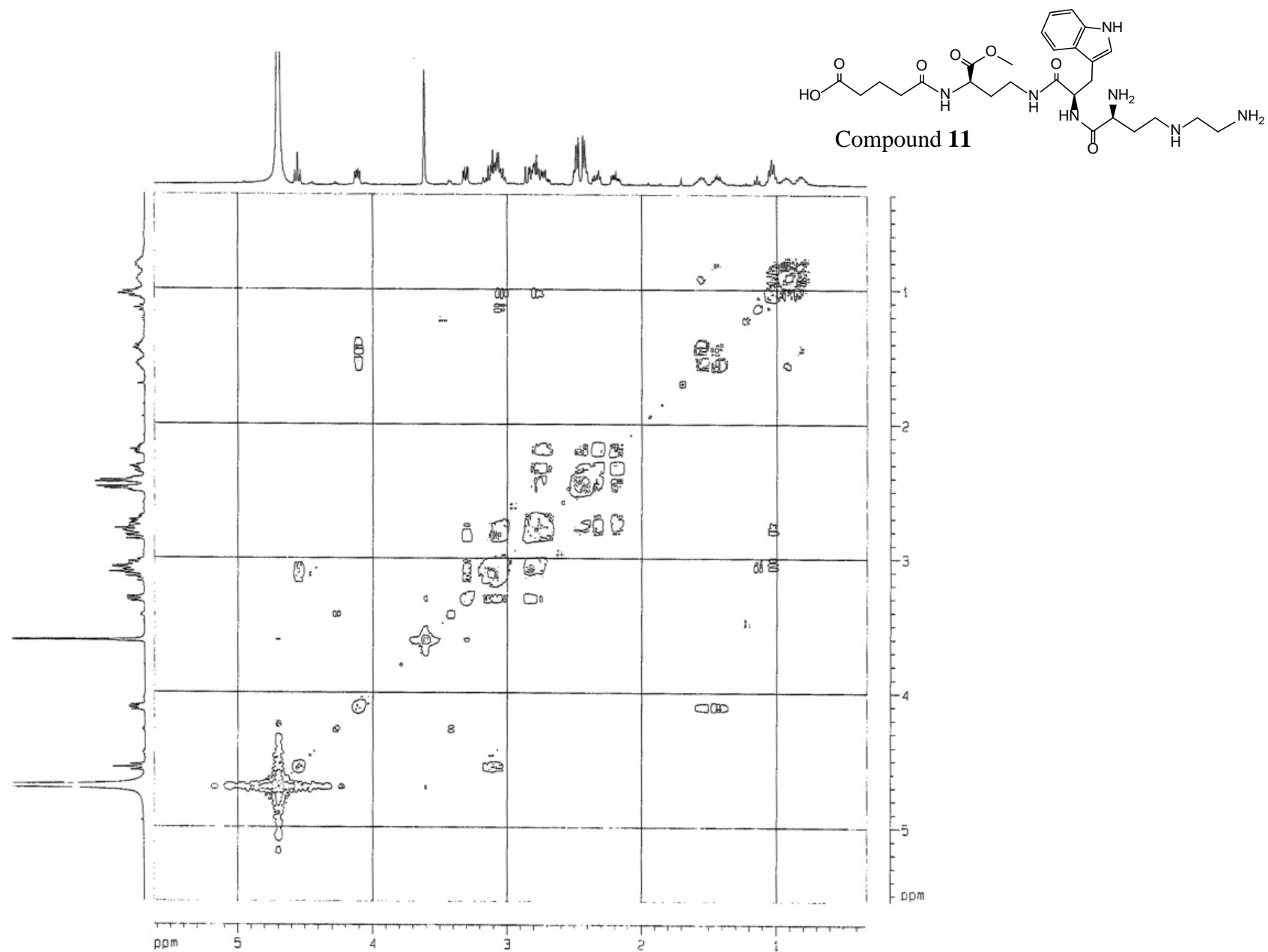
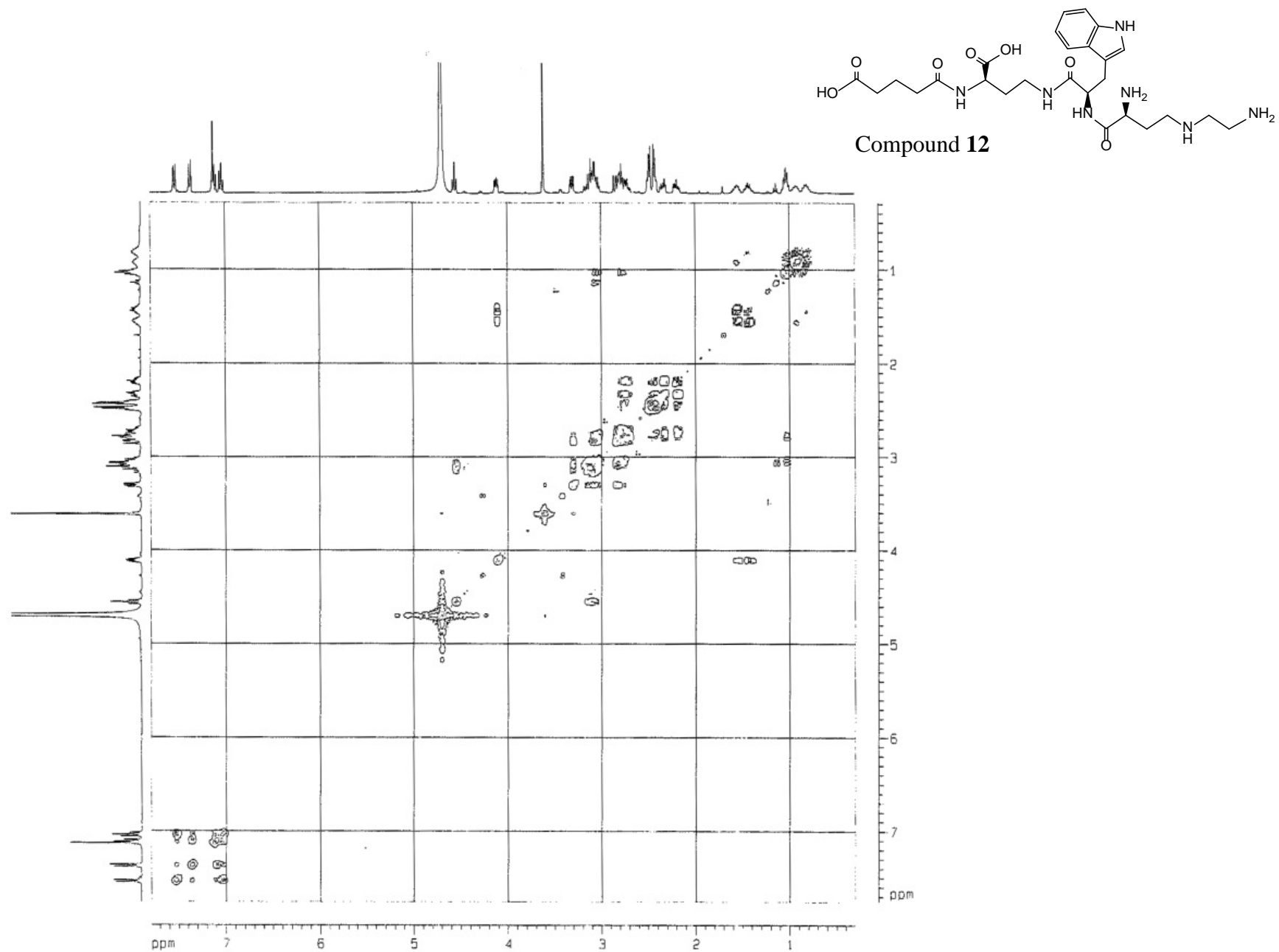
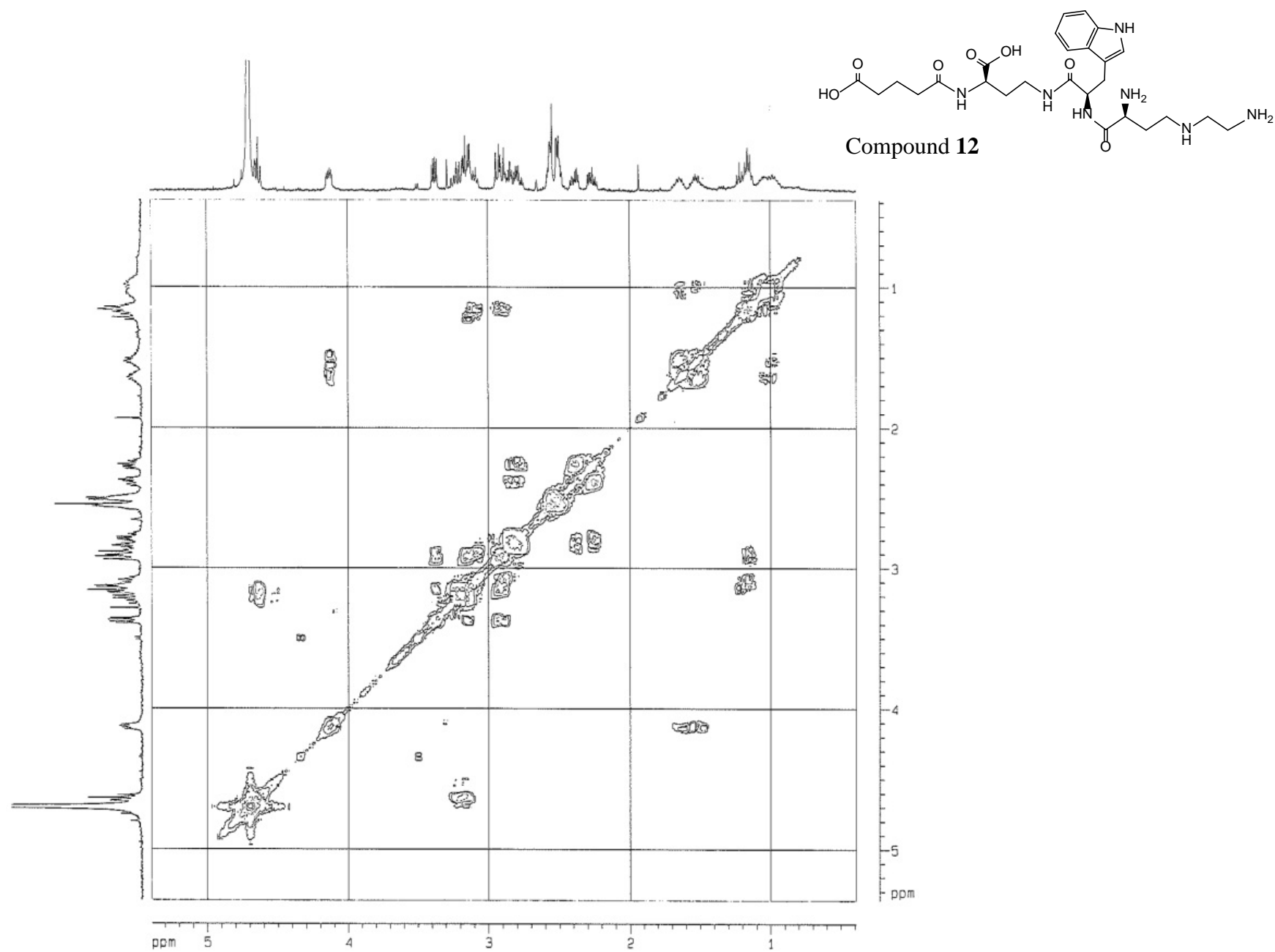


Figure S16



**Figure S17**



**Figure S18**