

Supporting Information
for DOI: 10.1055/s-0035-1560184
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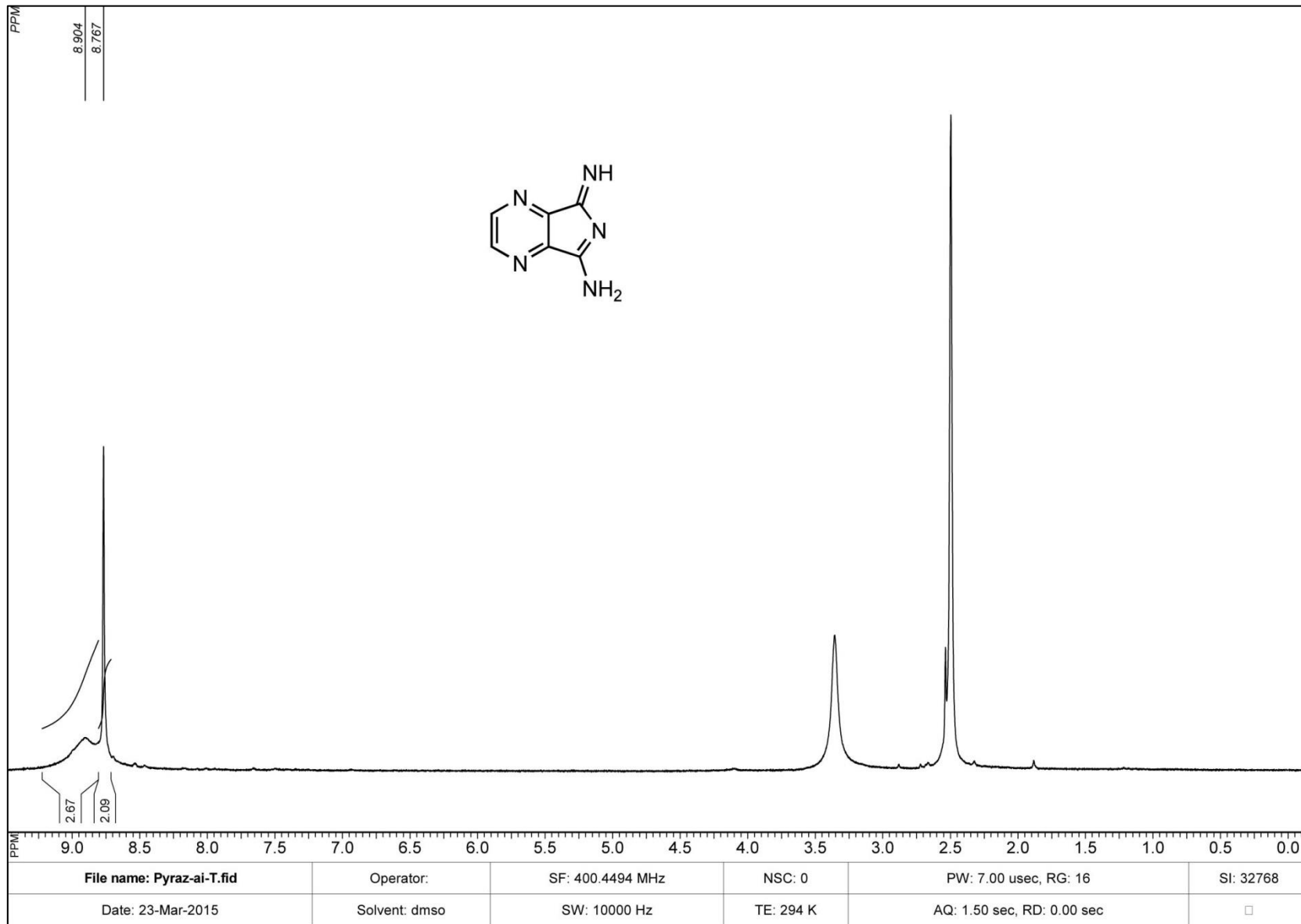
Synthesis of 5*H*-pyrrolo[3,4-*b*]pyrazine-based peptidomimetics

Angelina V. Biitseva,^a Igor V. Rudenko,^a Olga V. Hordiyenko,^{*a} Iryna V. Omelchenko,^b Axelle Arrault^c

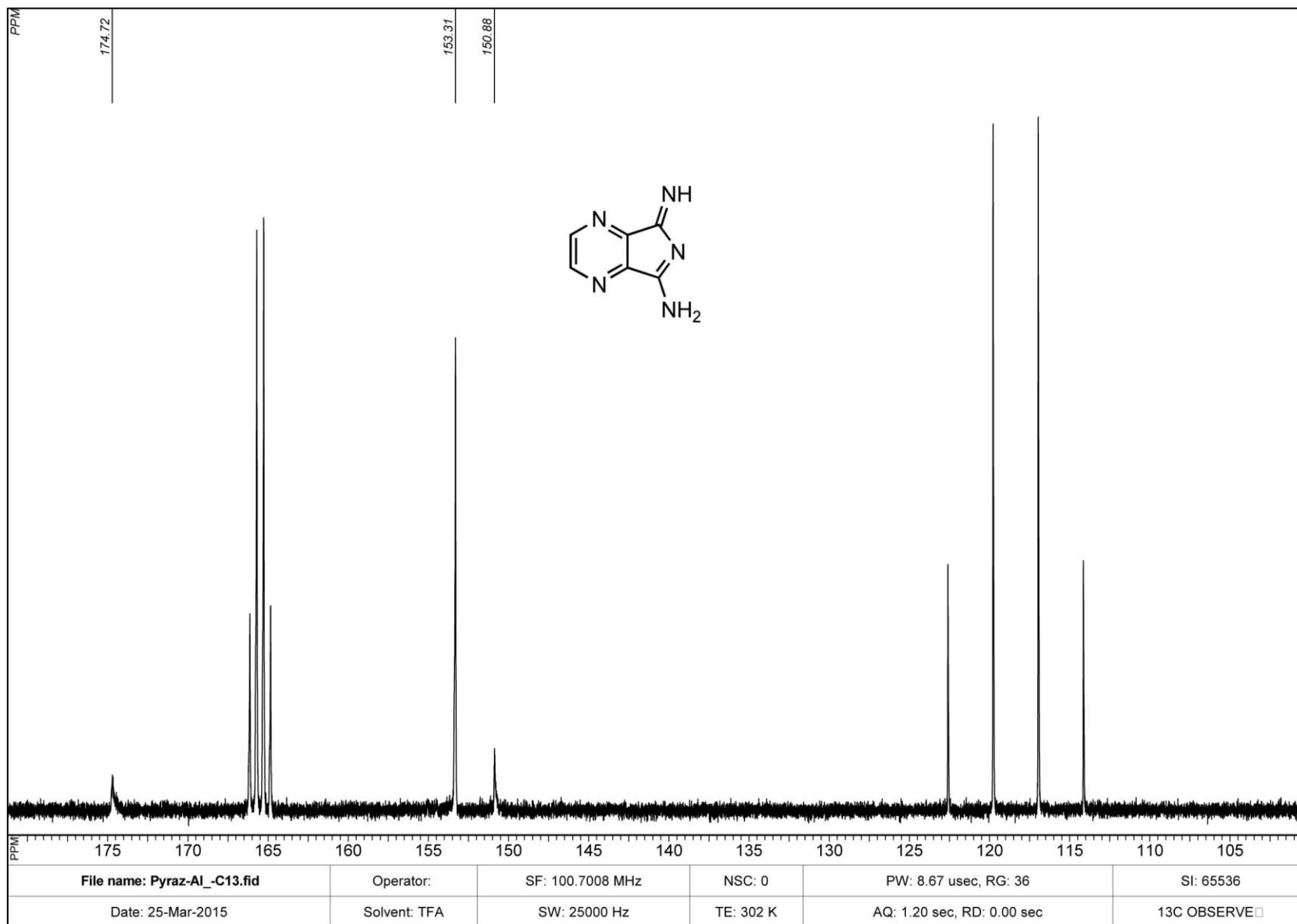
E-mail: ov_hordiyenko@univ.kiev.ua

SUPPORTING INFORMATION

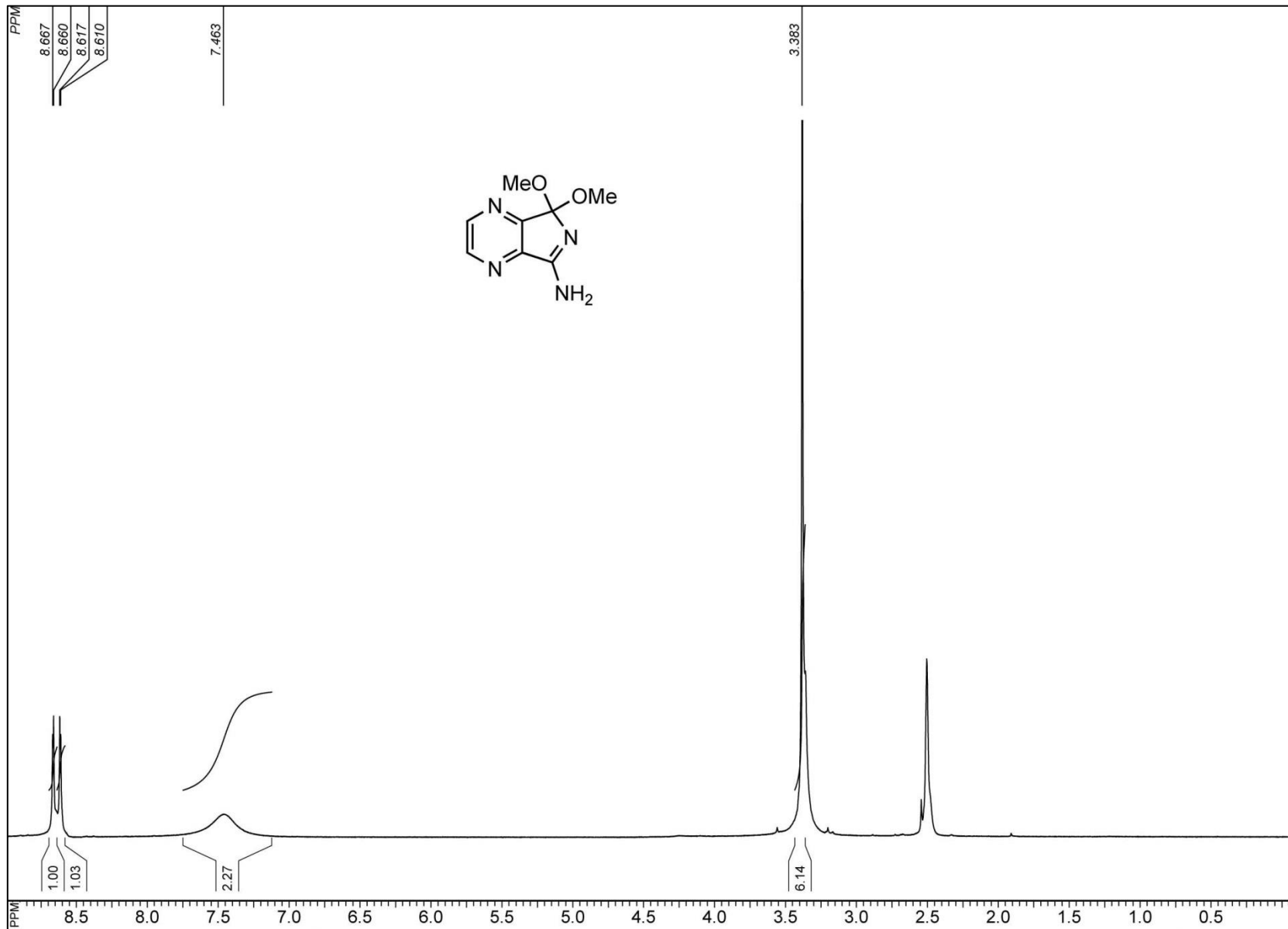
4, ¹H NMR, 400 MHz, DMSO[D₆]



4, ¹³C NMR, 100 MHz, CF₃COOD

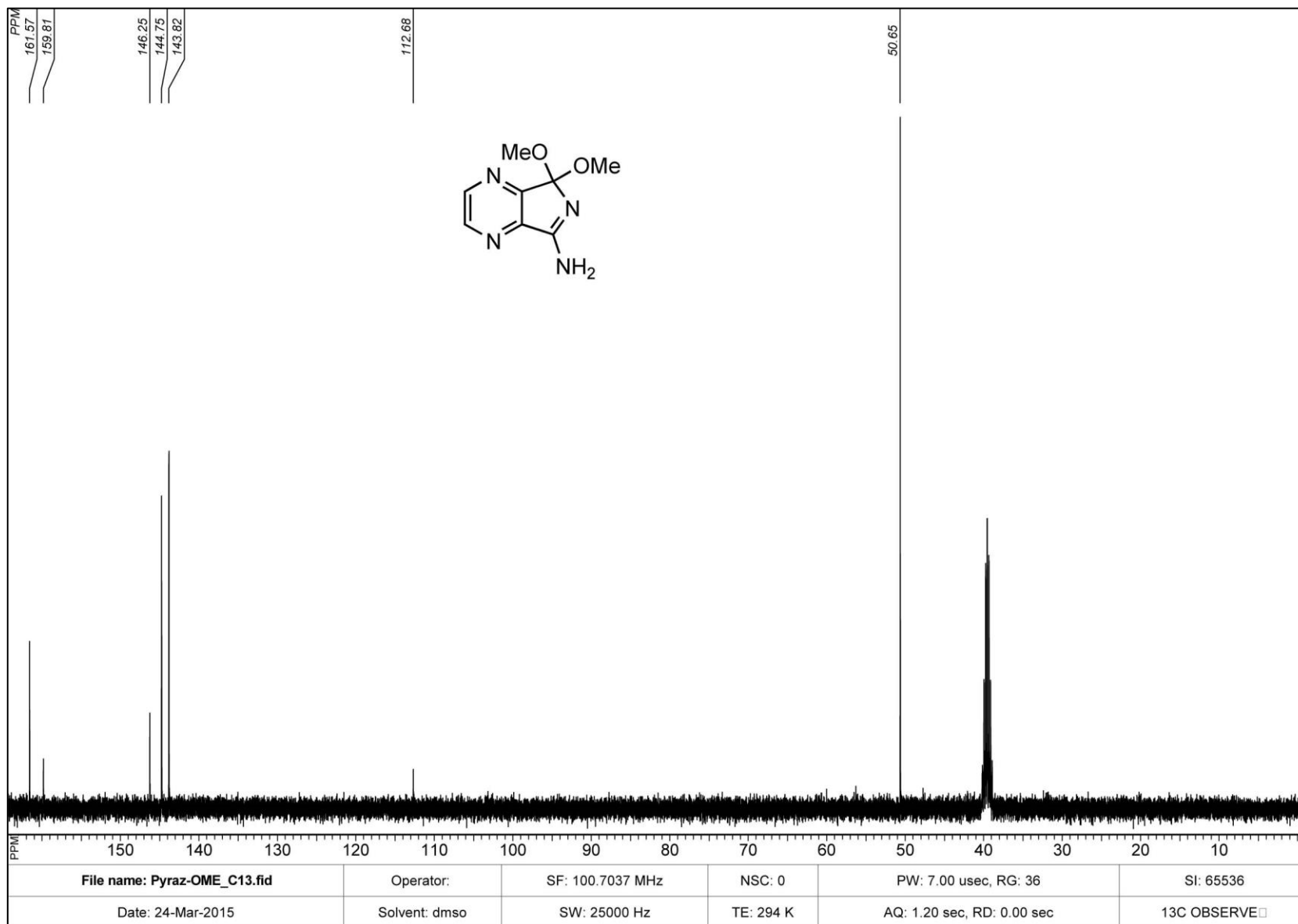


5, ¹H NMR, 400 MHz, DMSO[D₆]

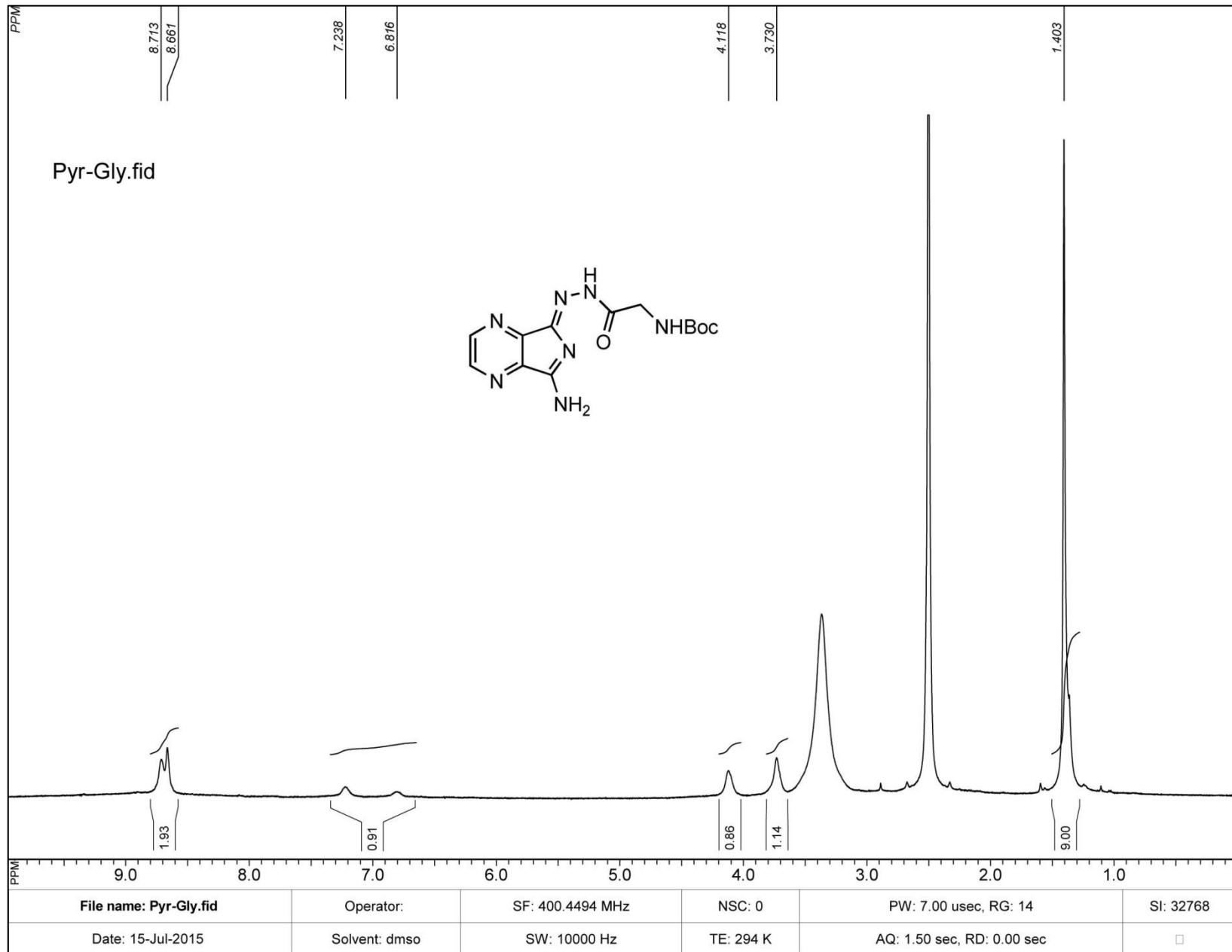


File name: Pyraz-OME.fid	Operator:	SF: 400.4494 MHz	NSC: 0	PW: 7.00 usec, RG: 12	SI: 32768
Date: 24-Mar-2015	Solvent: dms0	SW: 10000 Hz	TE: 294 K	AQ: 1.50 sec, RD: 0.00 sec	□

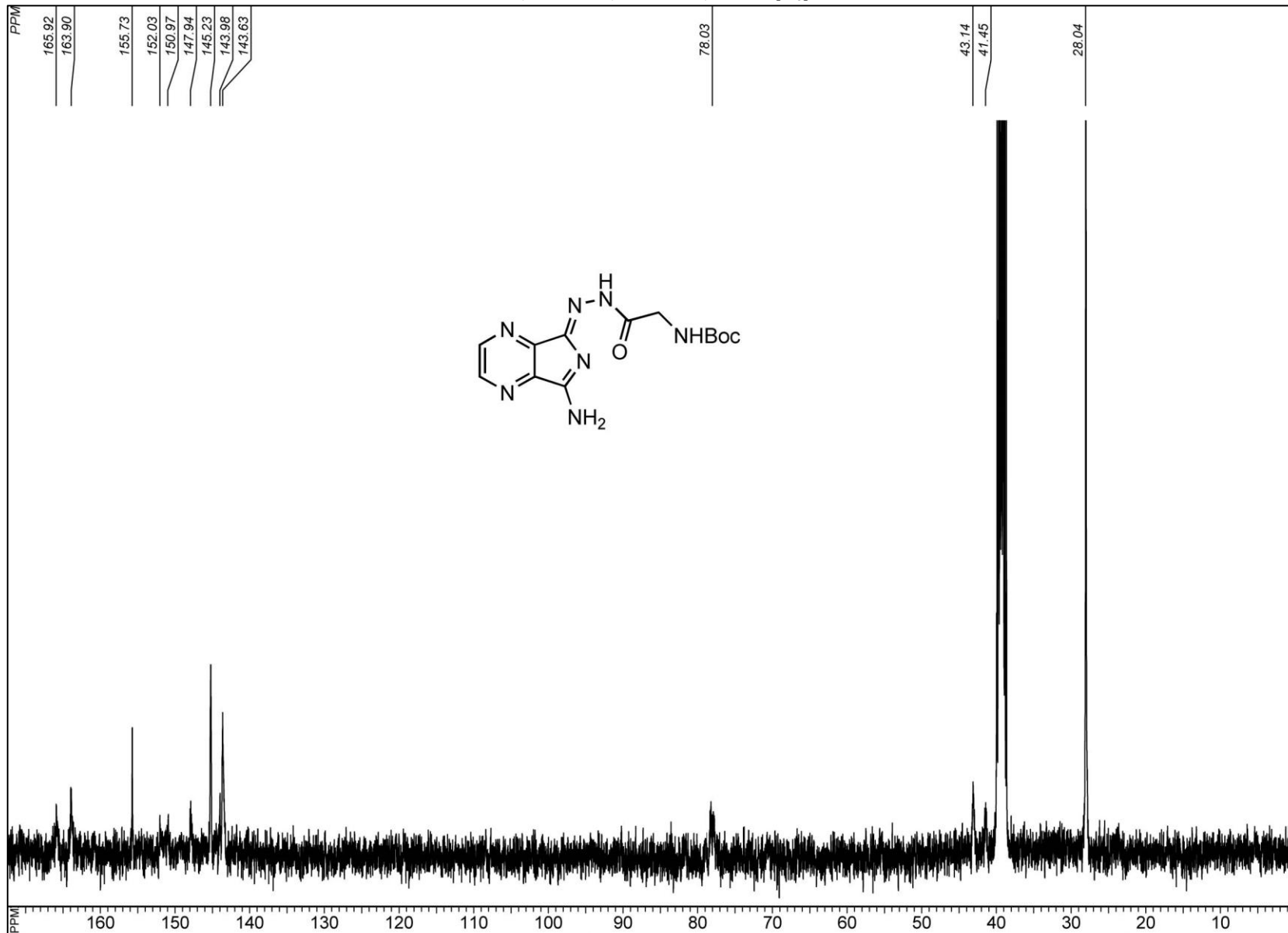
5, ¹³C NMR, 100 MHz, DMSO[D₆]



6a, ¹H NMR, 400 MHz, DMSO[D₆]

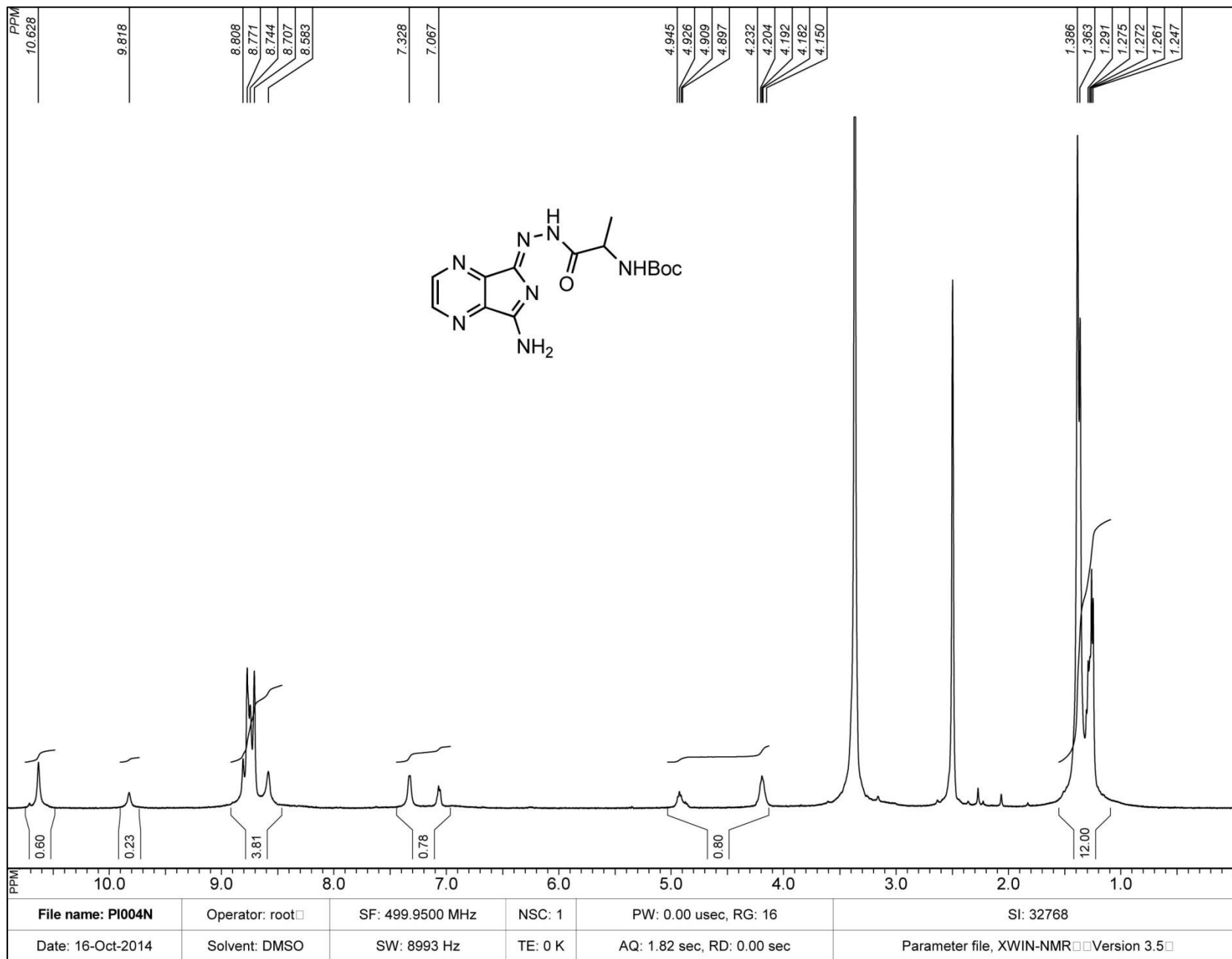


6a, ¹³C NMR, 100 MHz, DMSO[D₆]

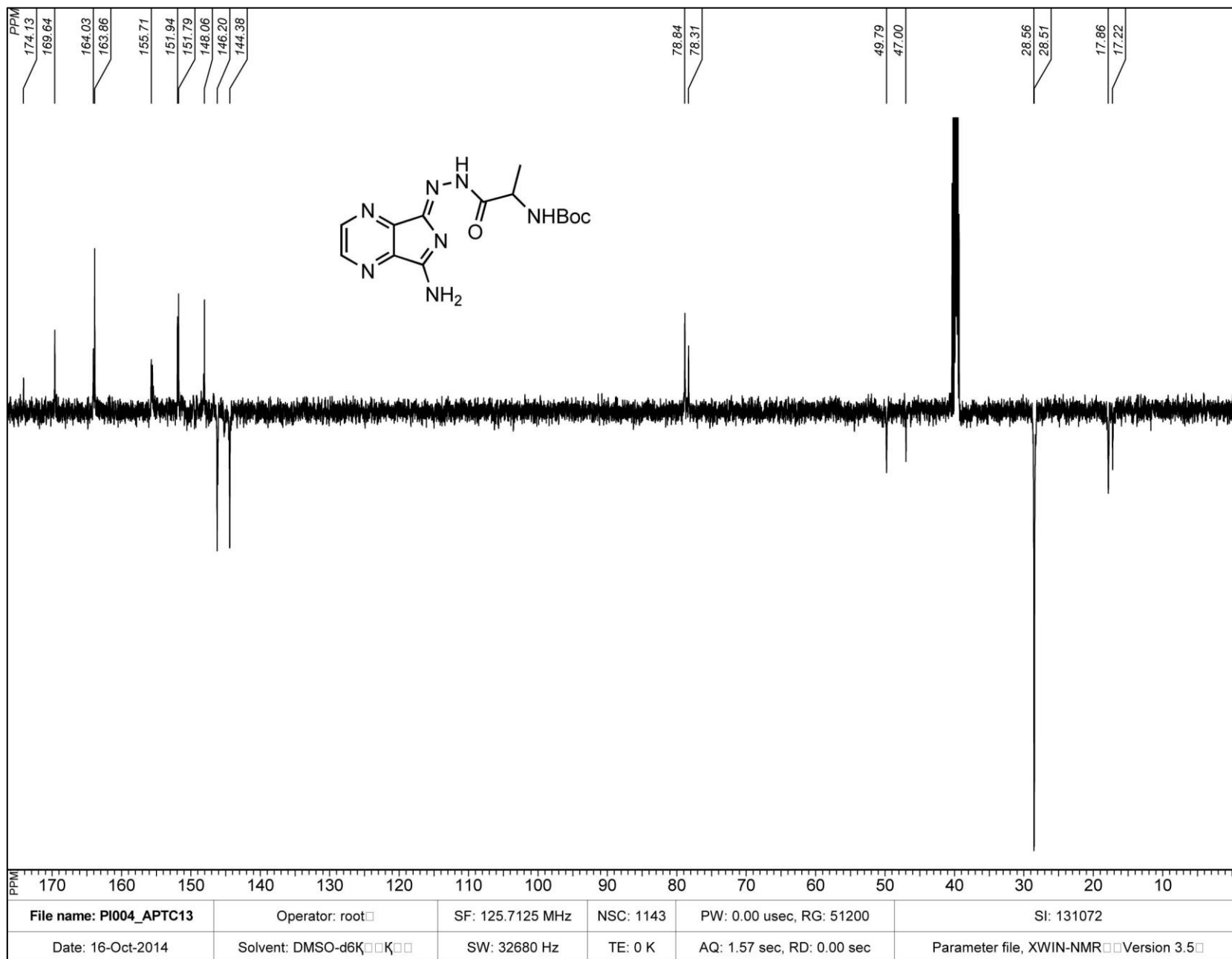


File name: Pyr-Gly_C13-2100.fid	Operator:	SF: 100.7037 MHz	NSC: 0	PW: 7.00 usec, RG: 32	SI: 131072
Date: 15-Apr-2015	Solvent: DMSO-d6	SW: 25000 Hz	TE: 294 K	AQ: 1.20 sec, RD: 0.00 sec	13C OBSERVE

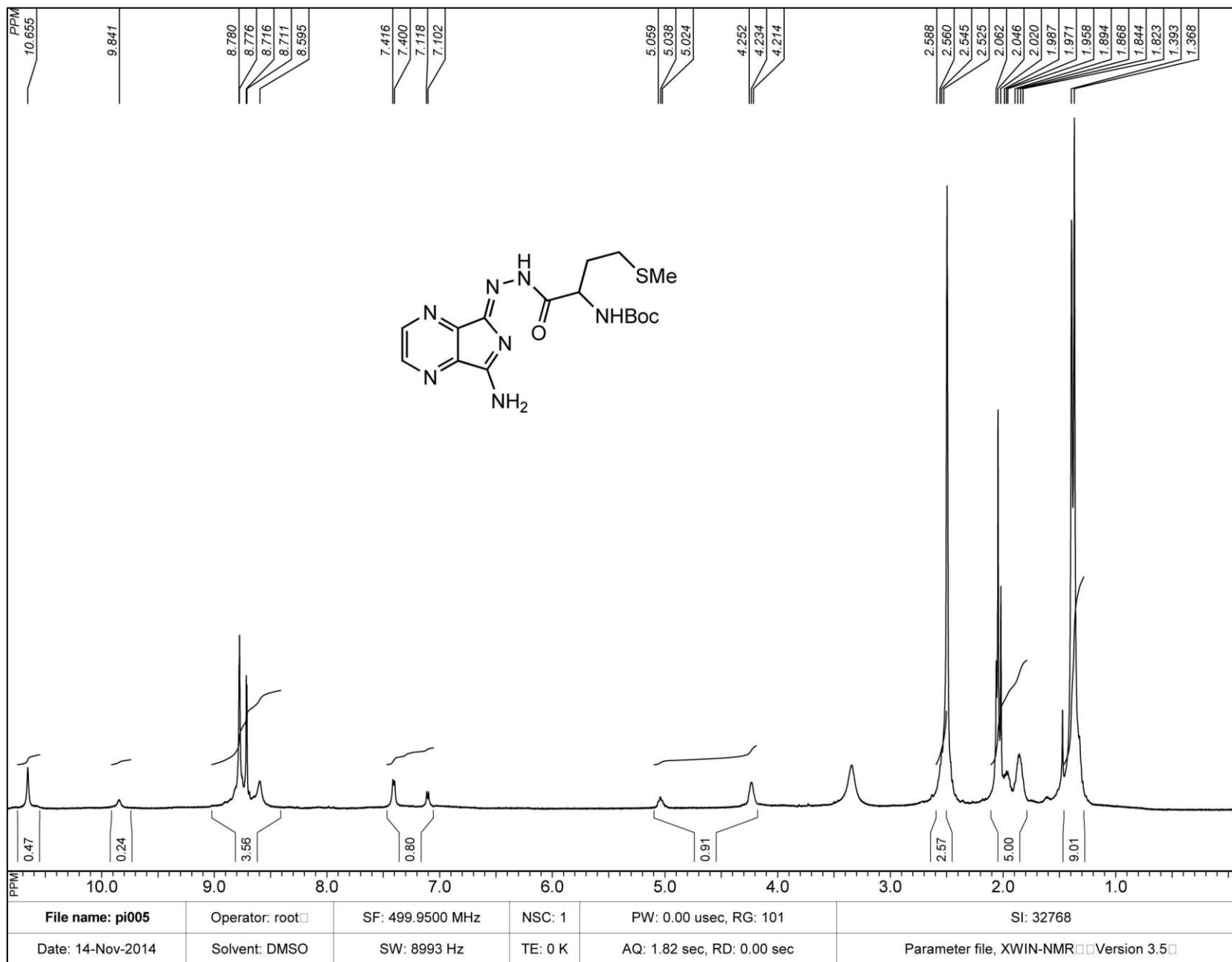
6b, ¹H NMR, 500 MHz, DMSO[D₆]



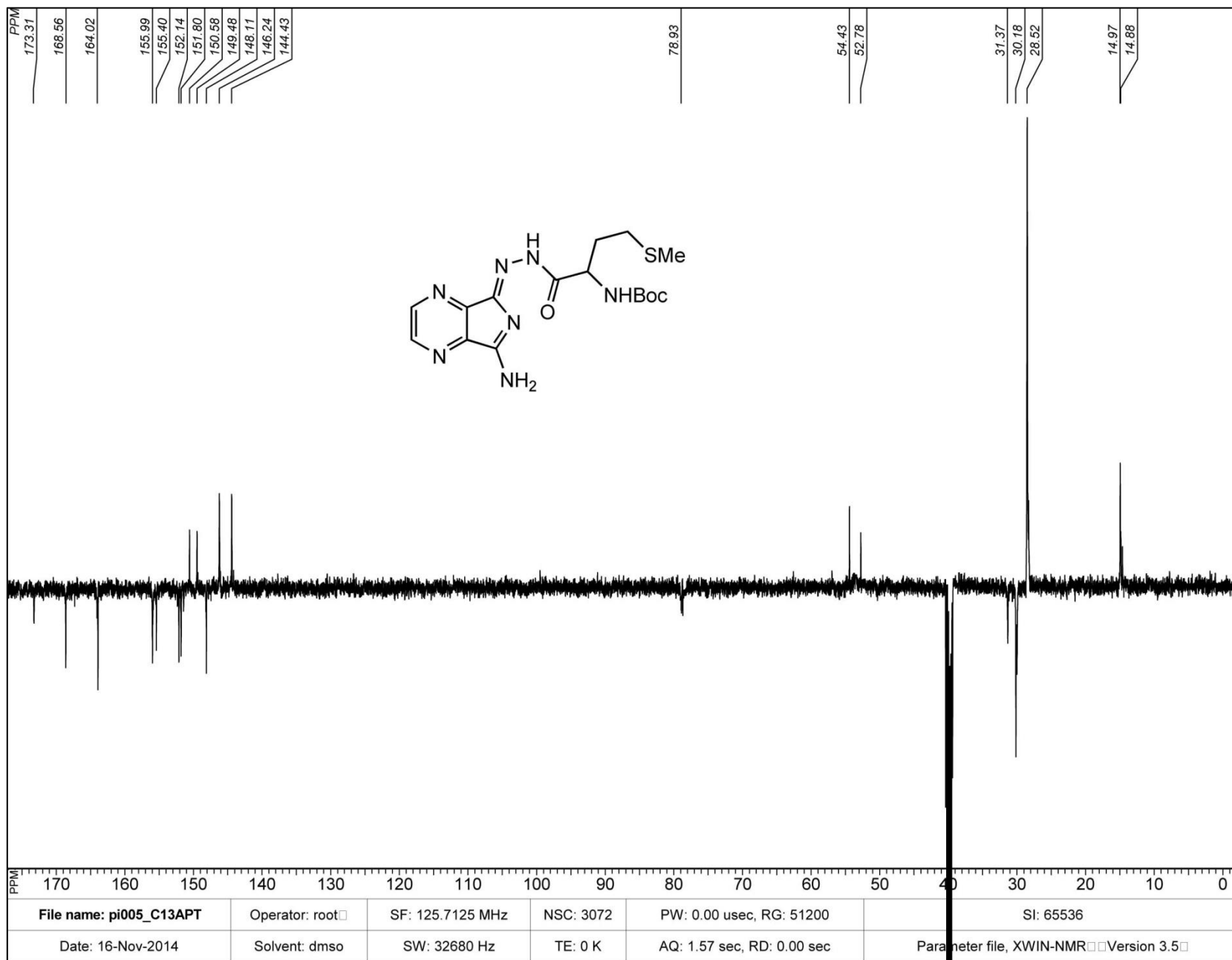
6b, ¹³C NMR (APT), 125 MHz, DMSO[D₆]



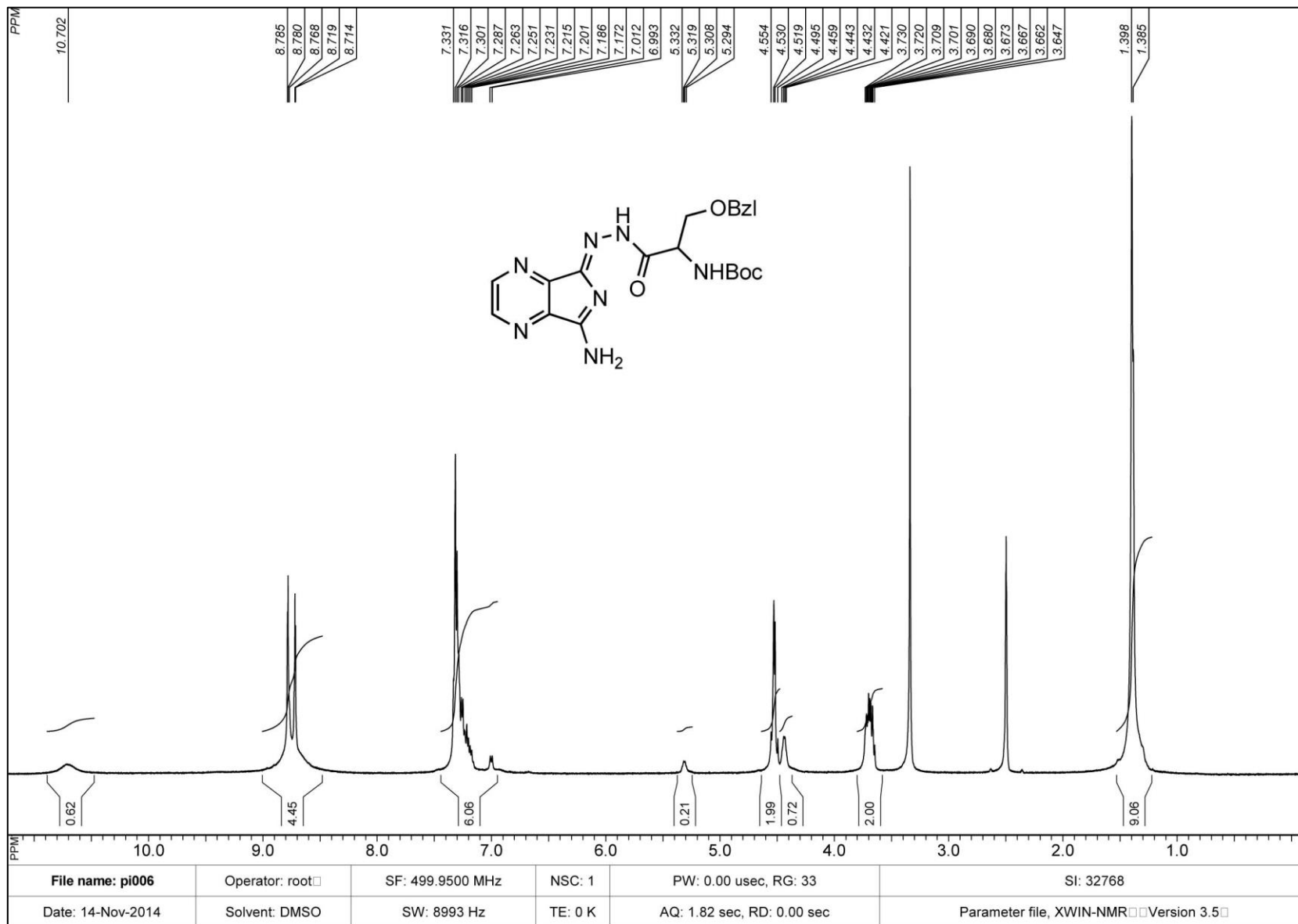
6c, ¹H NMR, 500 MHz, DMSO[D₆]



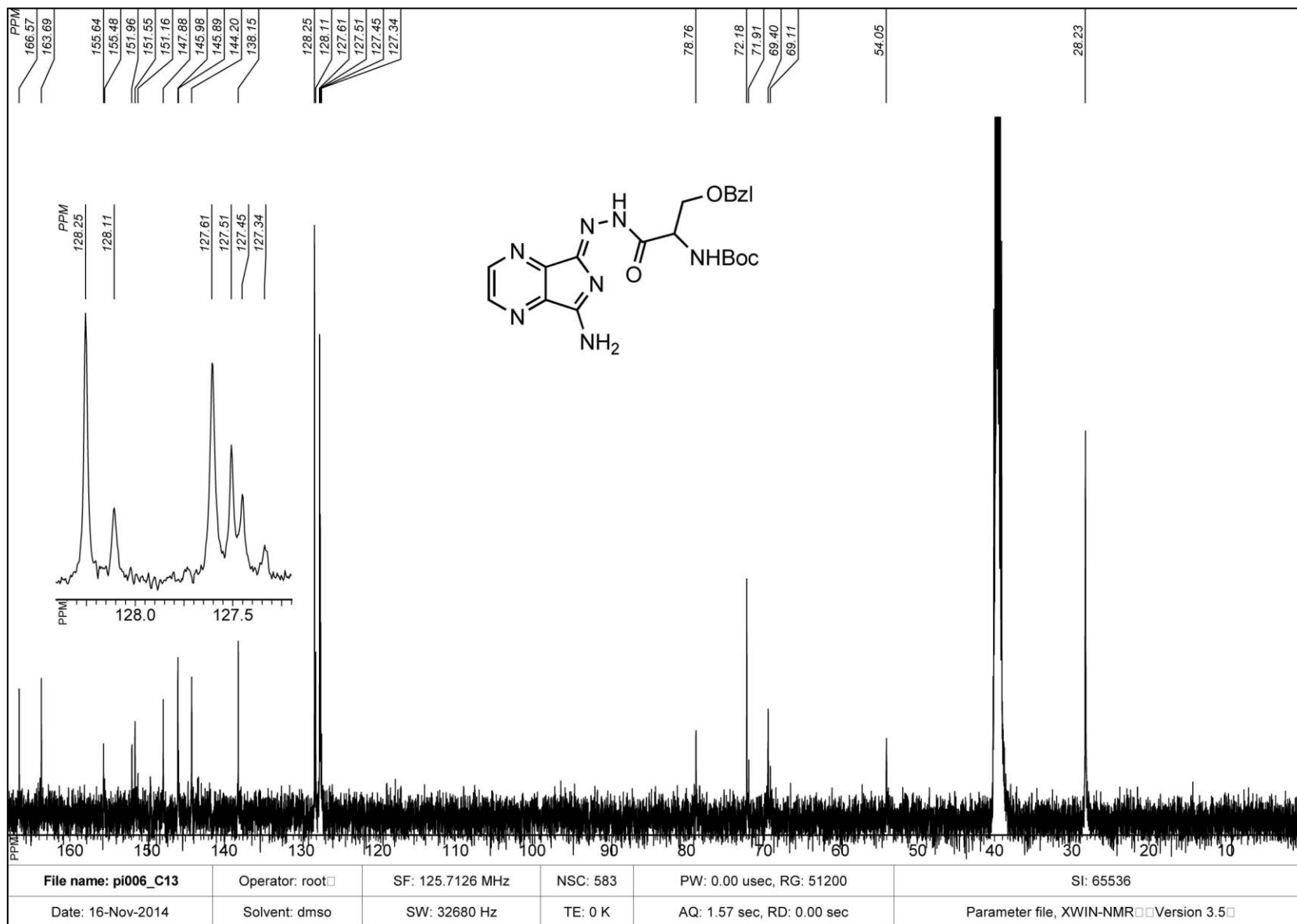
6c, ¹³C NMR (APT), 125 MHz, DMSO[D₆]



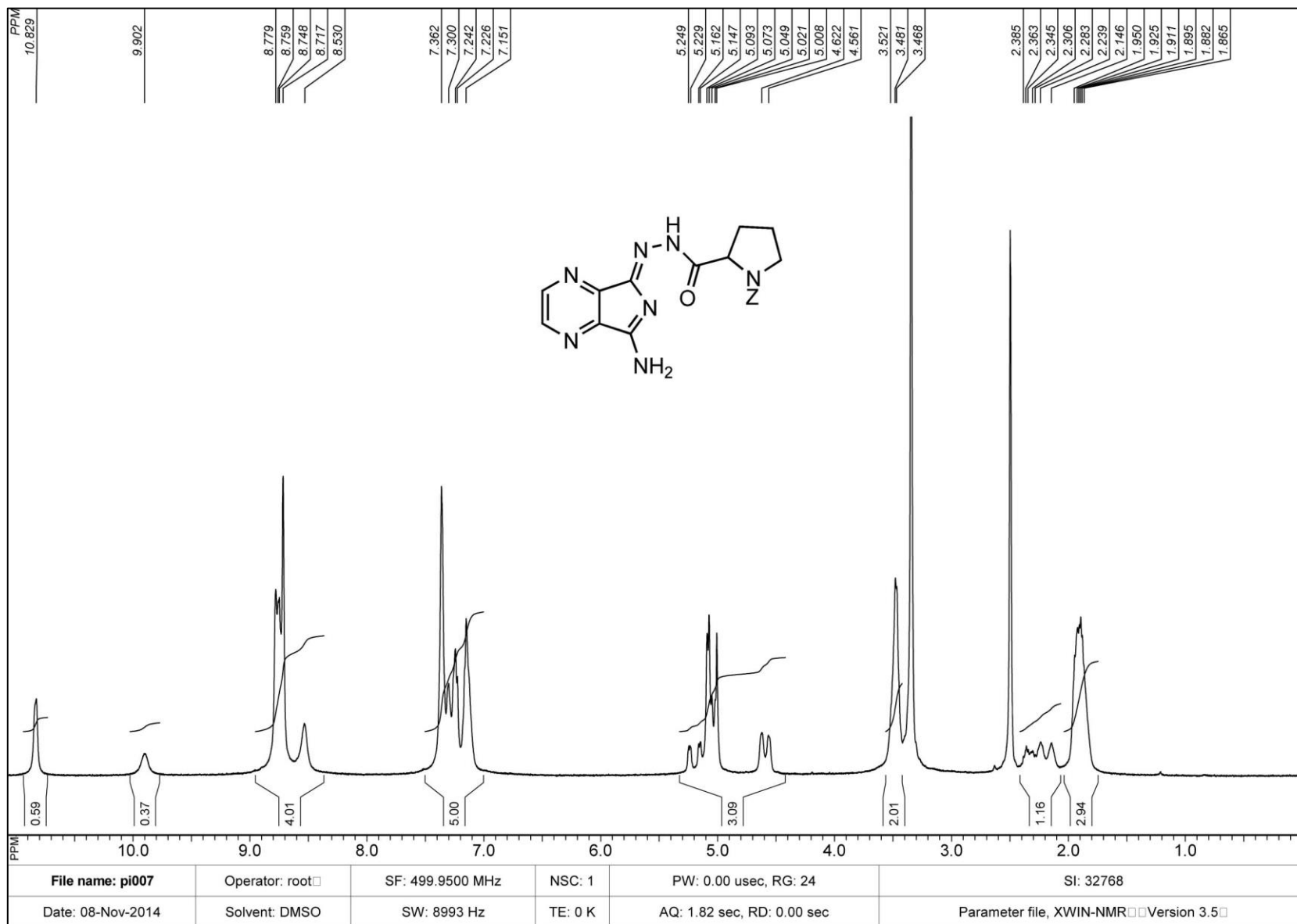
6d, ¹H NMR, 500 MHz, DMSO[D₆]



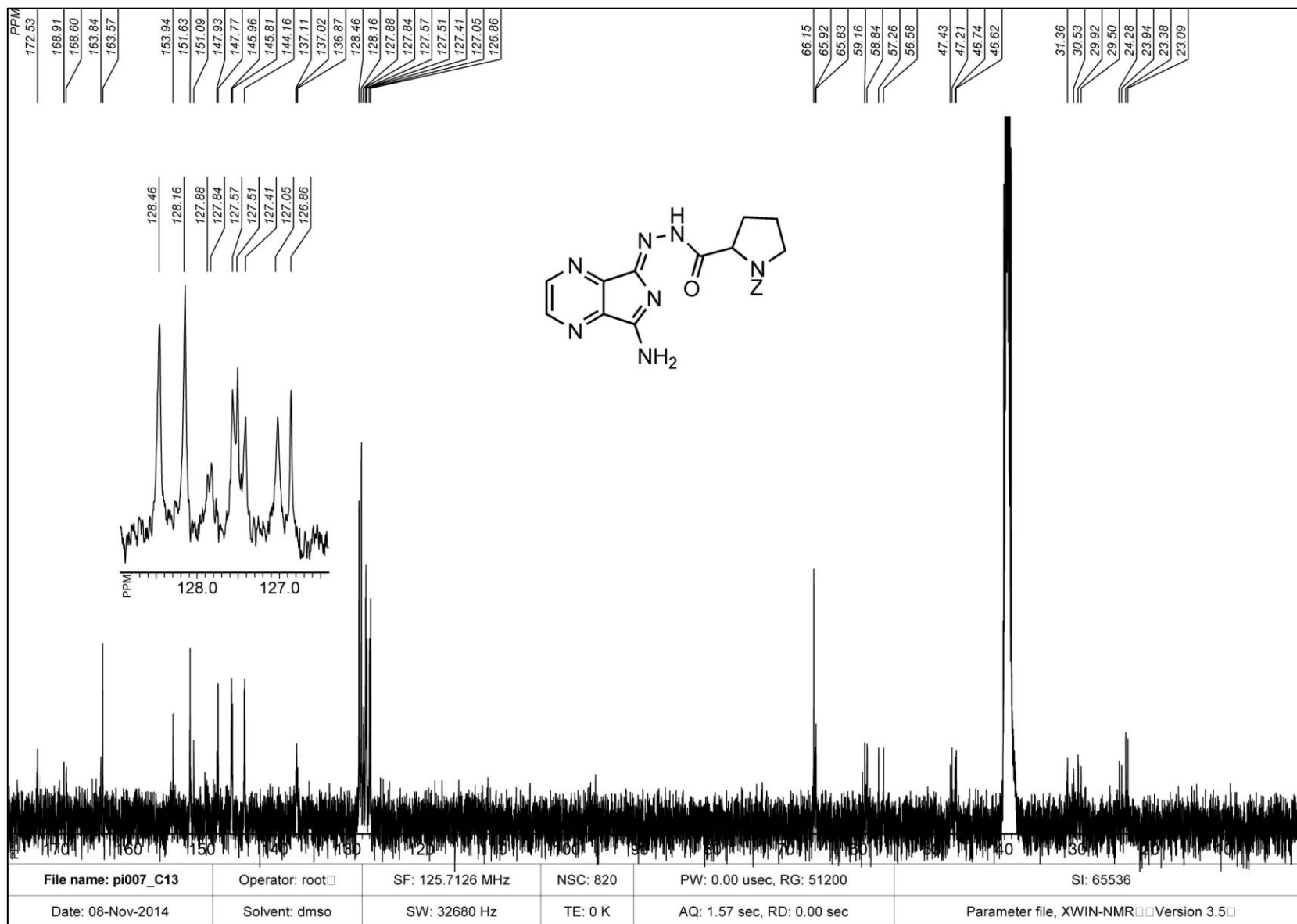
6d, ¹³C NMR, 125 MHz, DMSO[D₆]



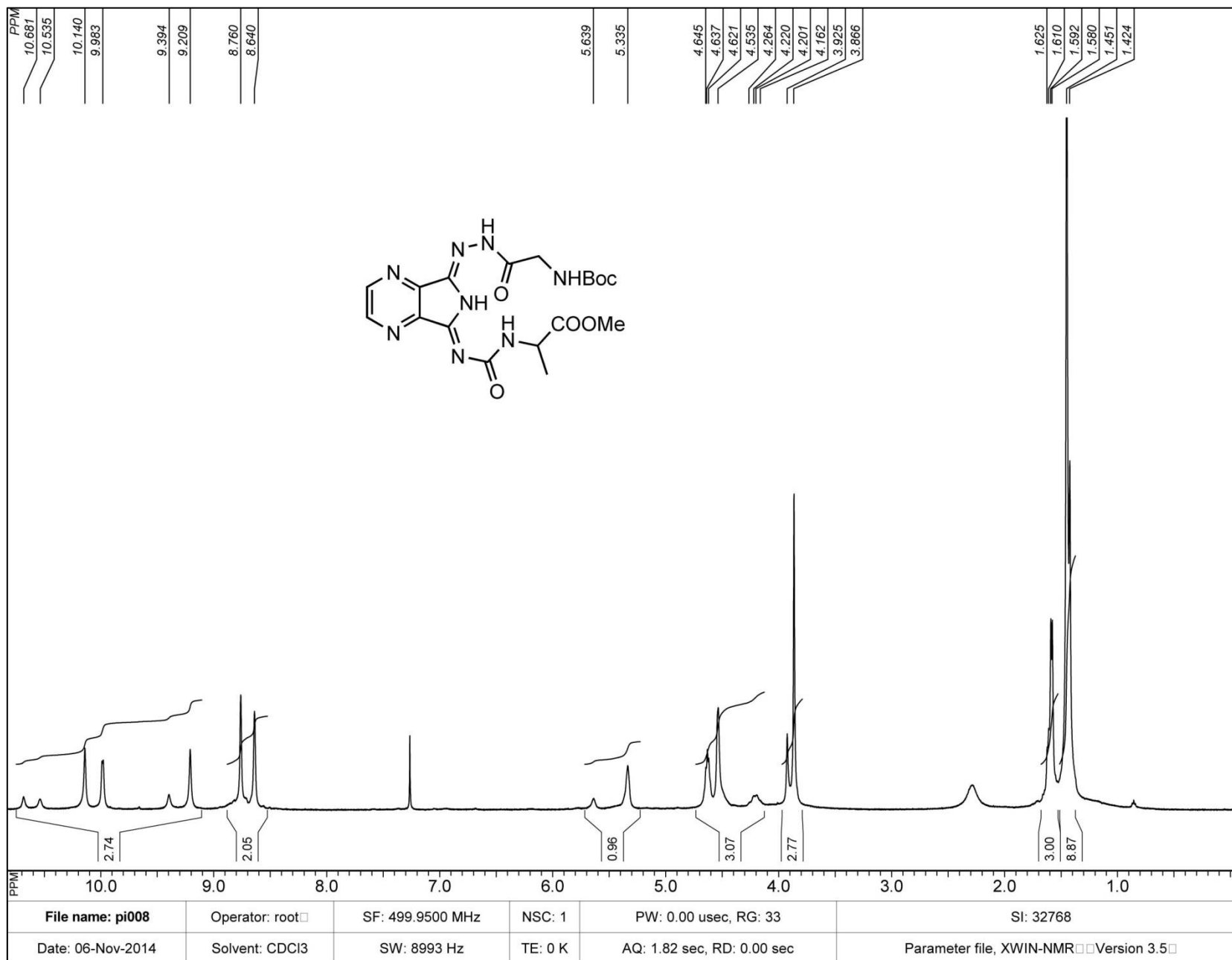
6e, ¹H NMR, 500 MHz, DMSO[D₆]



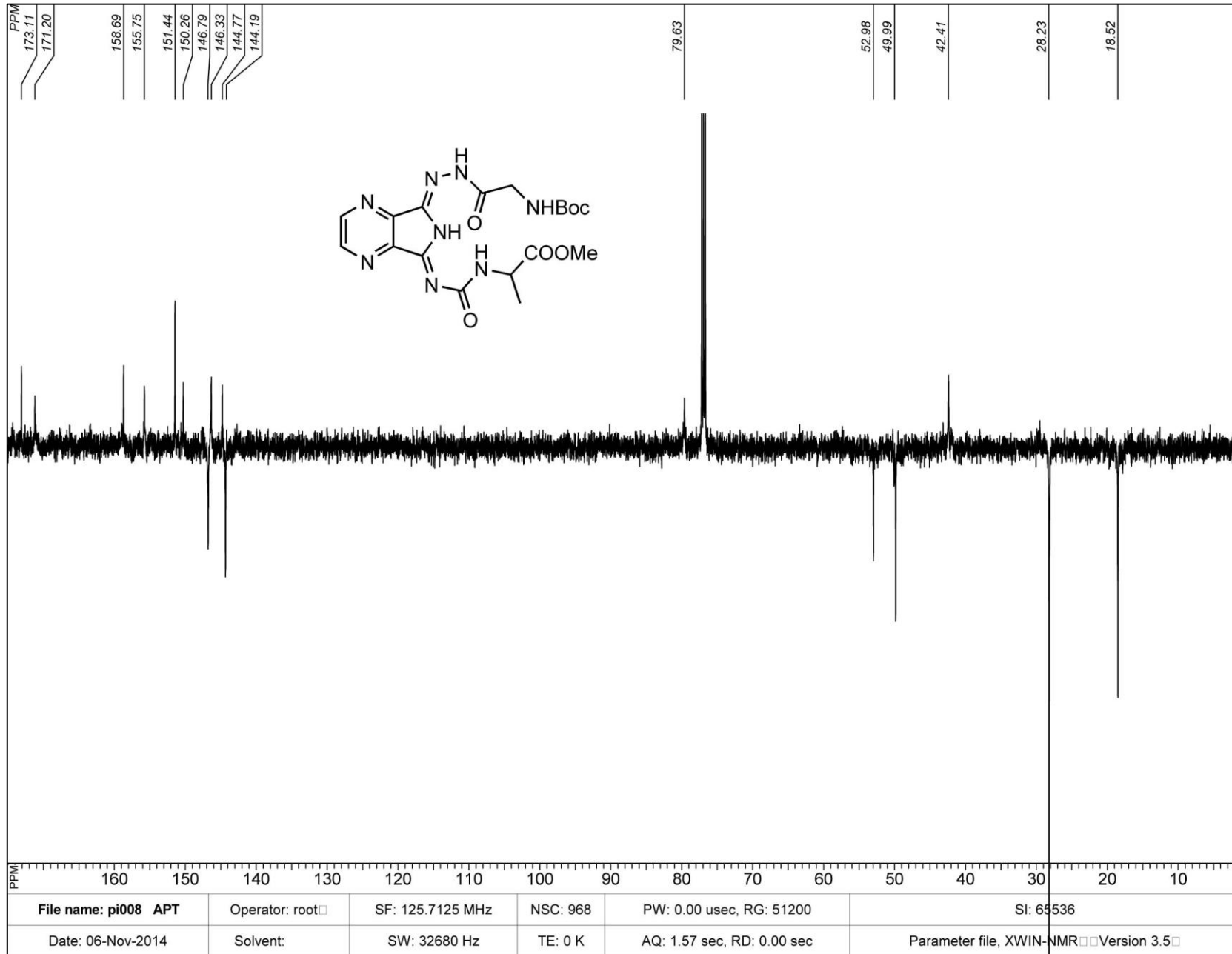
6e, ¹³C NMR, 125 MHz, DMSO[D₆]



2a, ¹H NMR, 500 MHz, CDCl₃

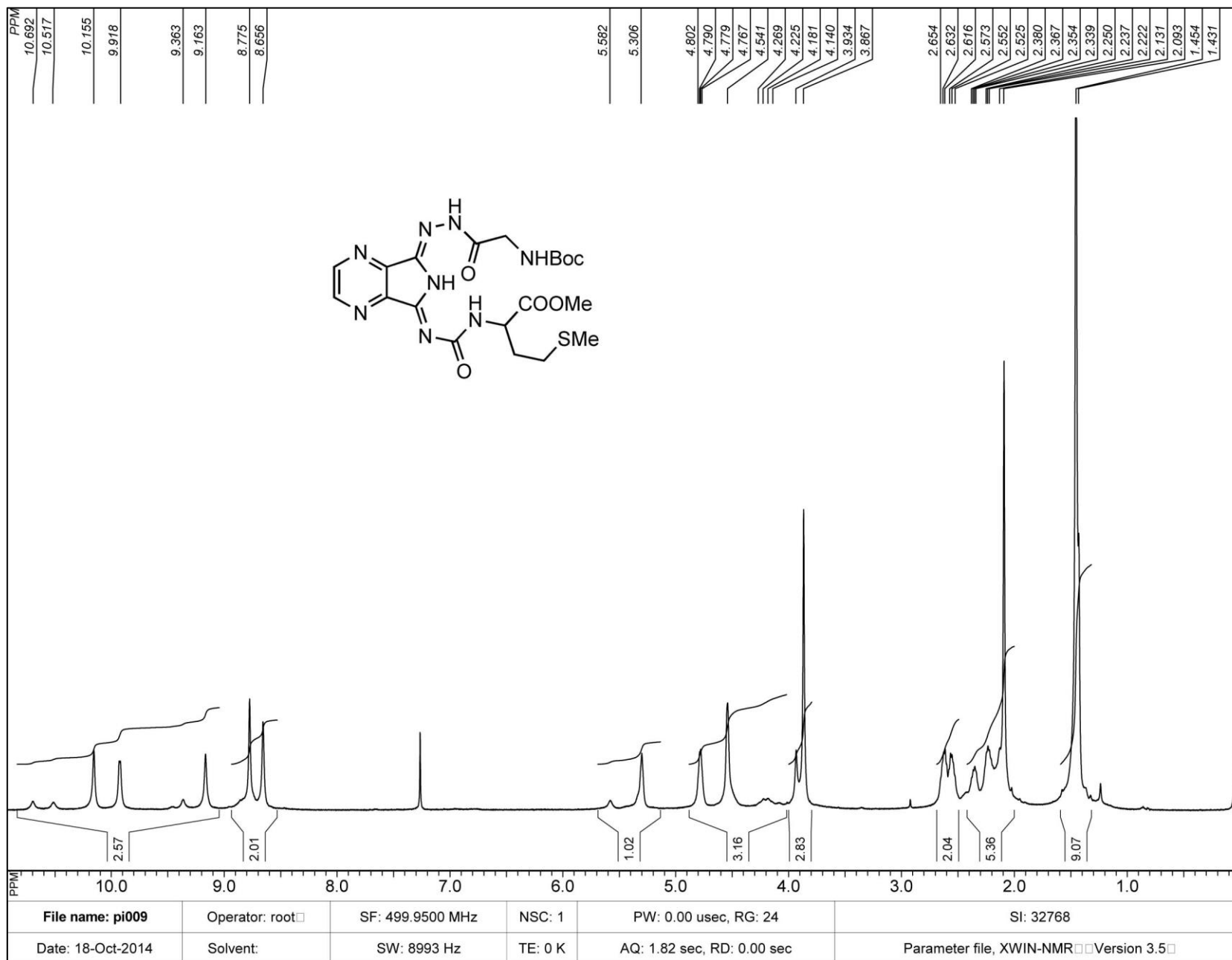


2a, ¹³C NMR (APT), 125 MHz, CDCl₃

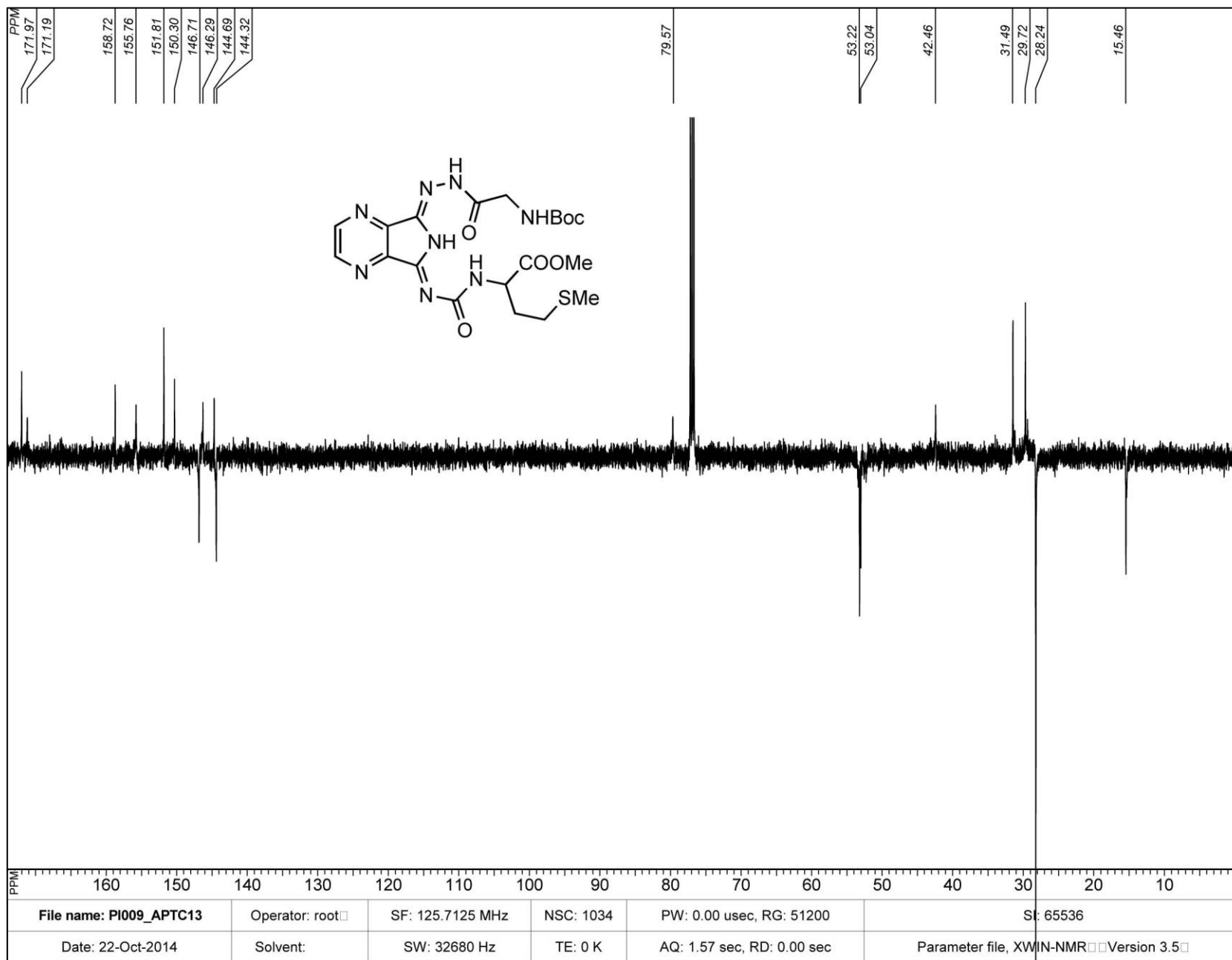


File name: pi008 APT	Operator: root	SF: 125.7125 MHz	NSC: 968	PW: 0.00 usec, RG: 51200	SI: 65536
Date: 06-Nov-2014	Solvent:	SW: 32680 Hz	TE: 0 K	AQ: 1.57 sec, RD: 0.00 sec	Parameter file, XWIN-NMR Version 3.5

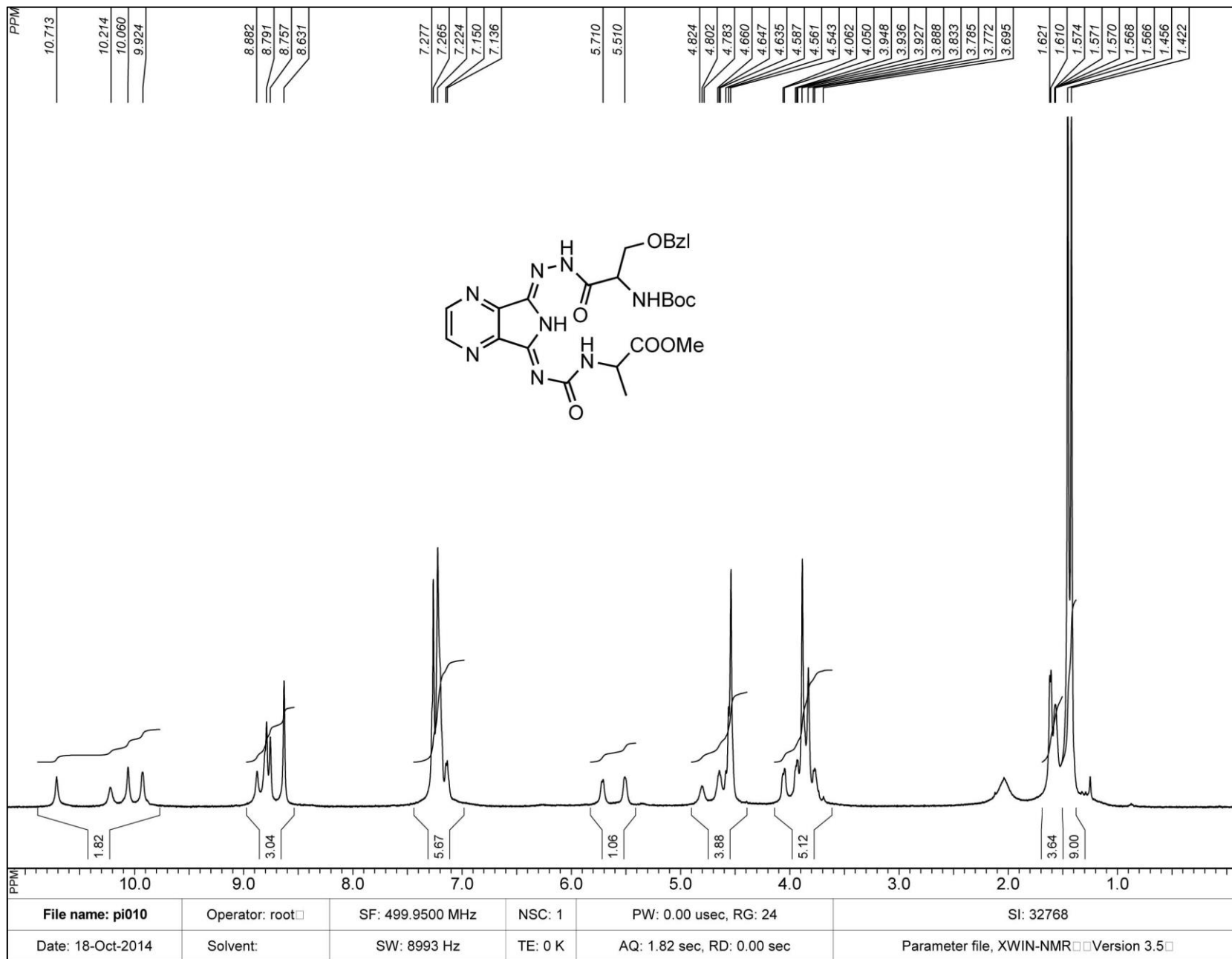
2b, ^1H NMR, 500 MHz, CDCl_3



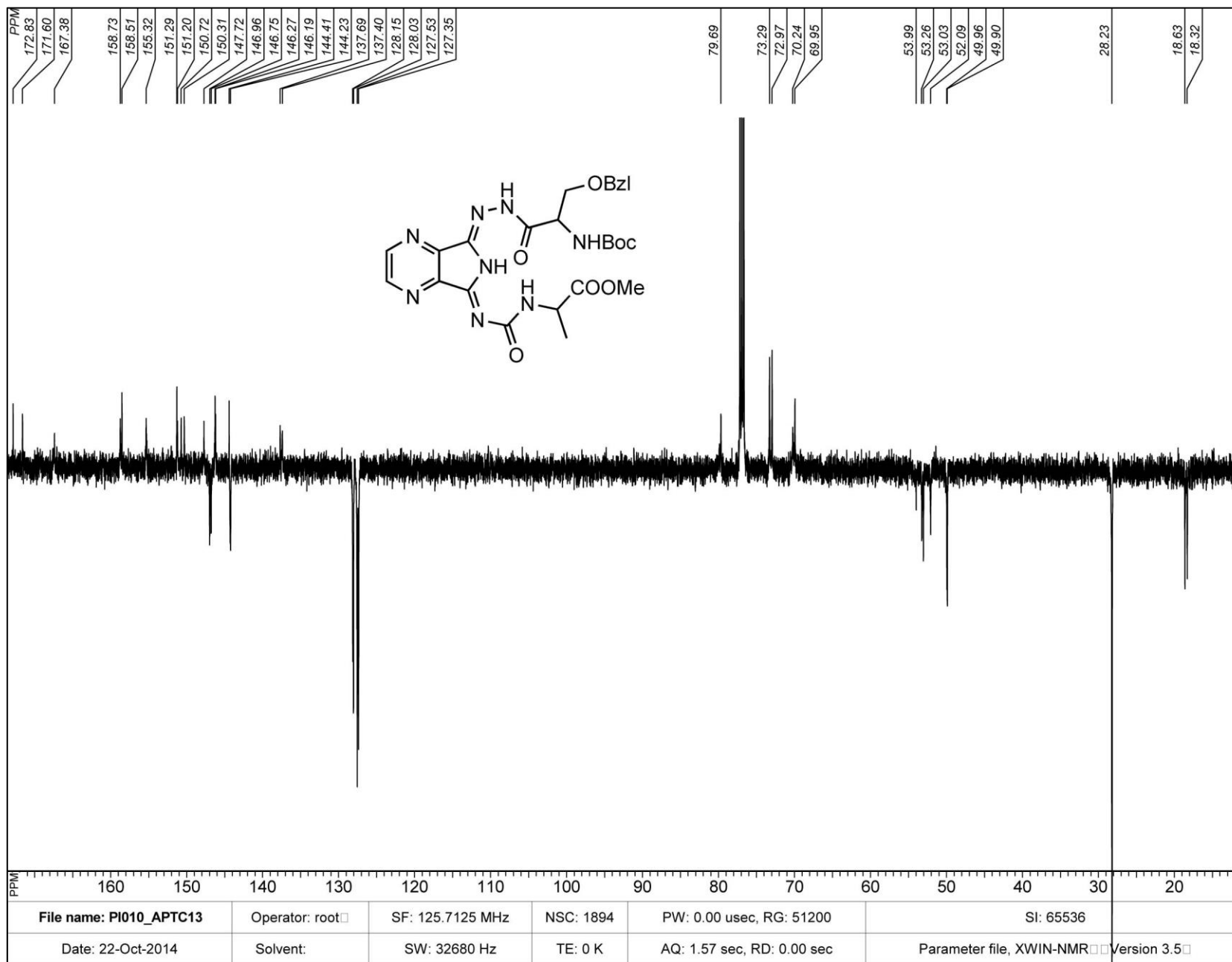
2b, ^{13}C NMR (APT), 125 MHz, CDCl_3



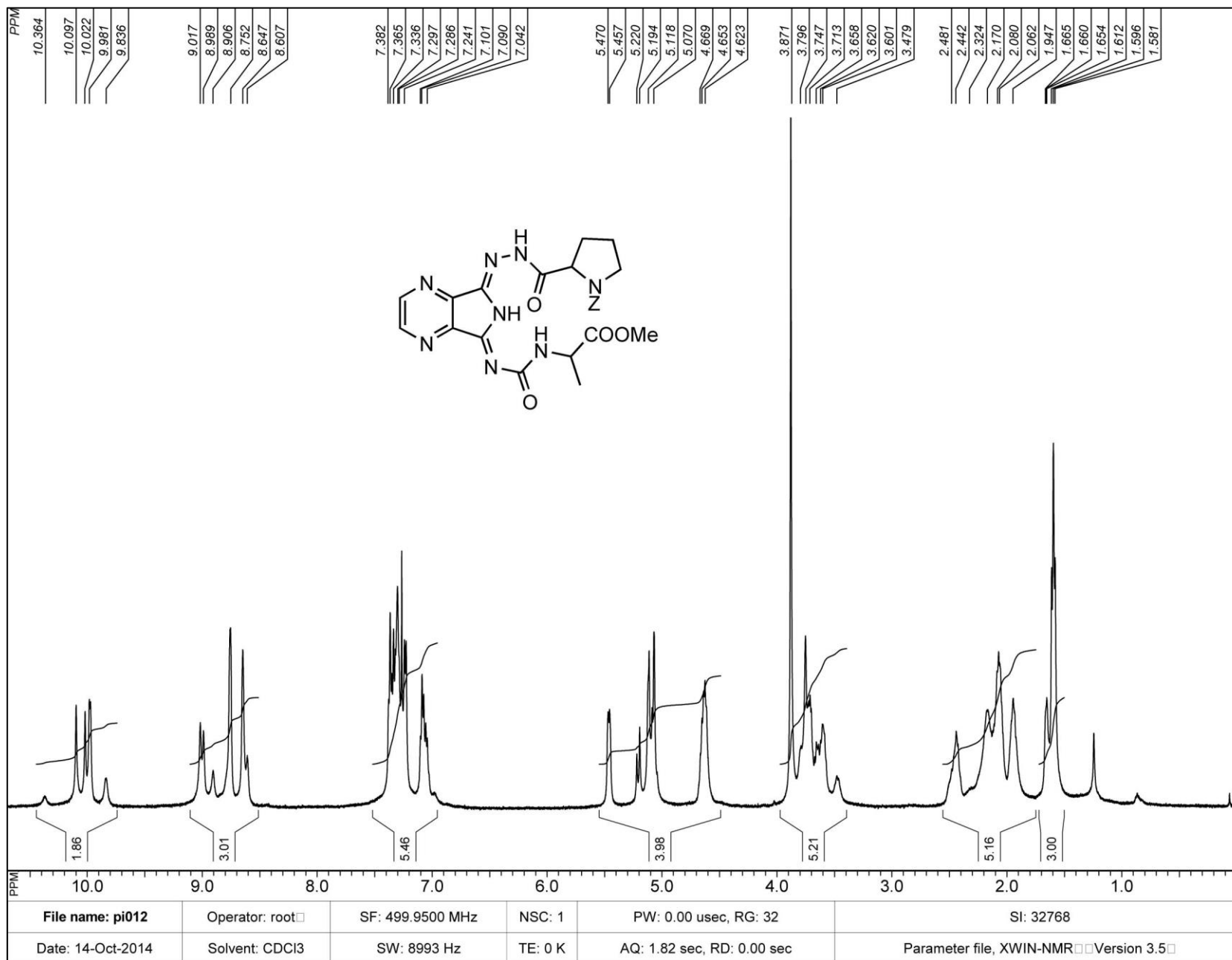
2c, ¹H NMR, 500 MHz, CDCl₃



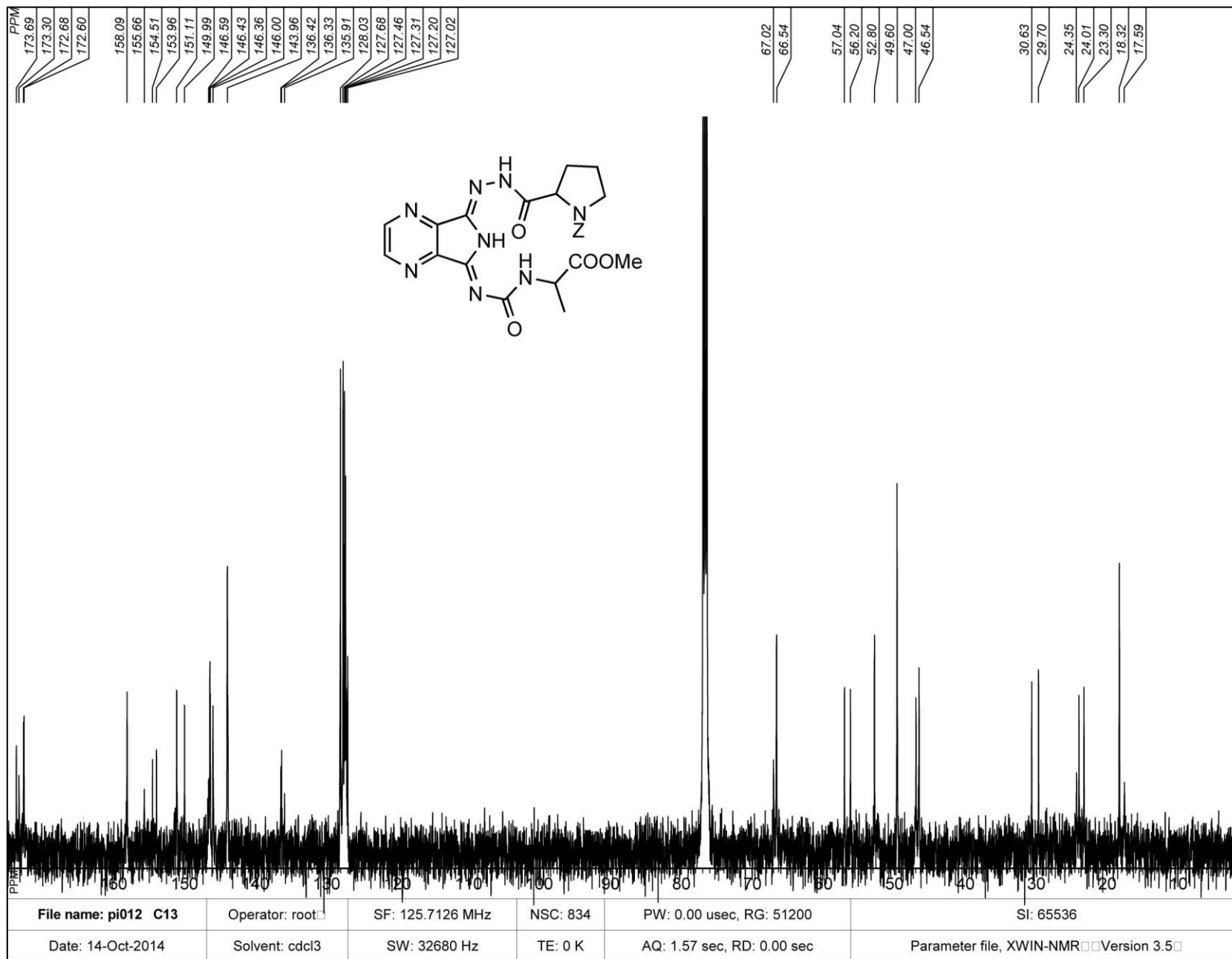
2c, ¹³C NMR (APT), 125 MHz, CDCl₃



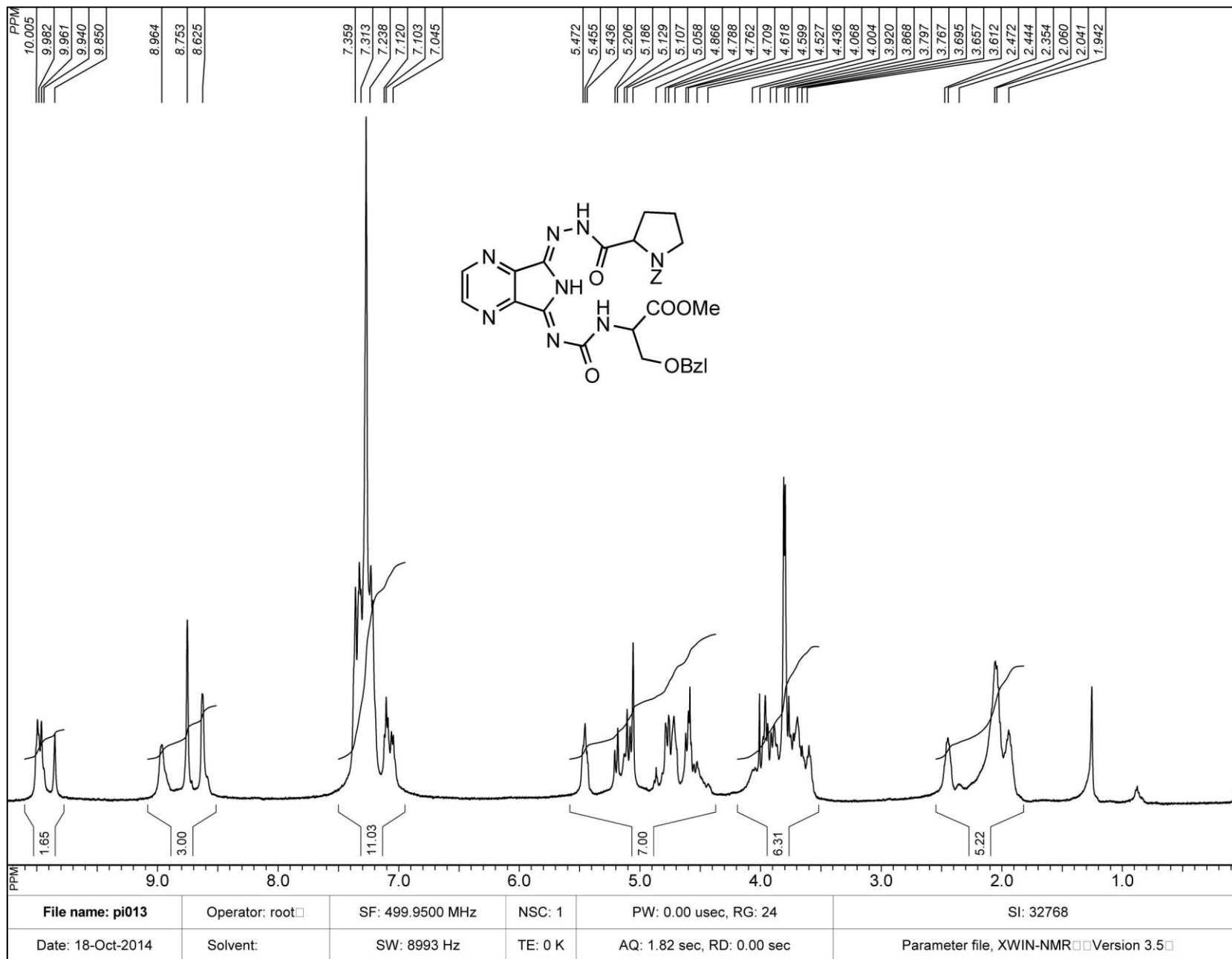
2e, ^1H NMR, 500 MHz, CDCl_3



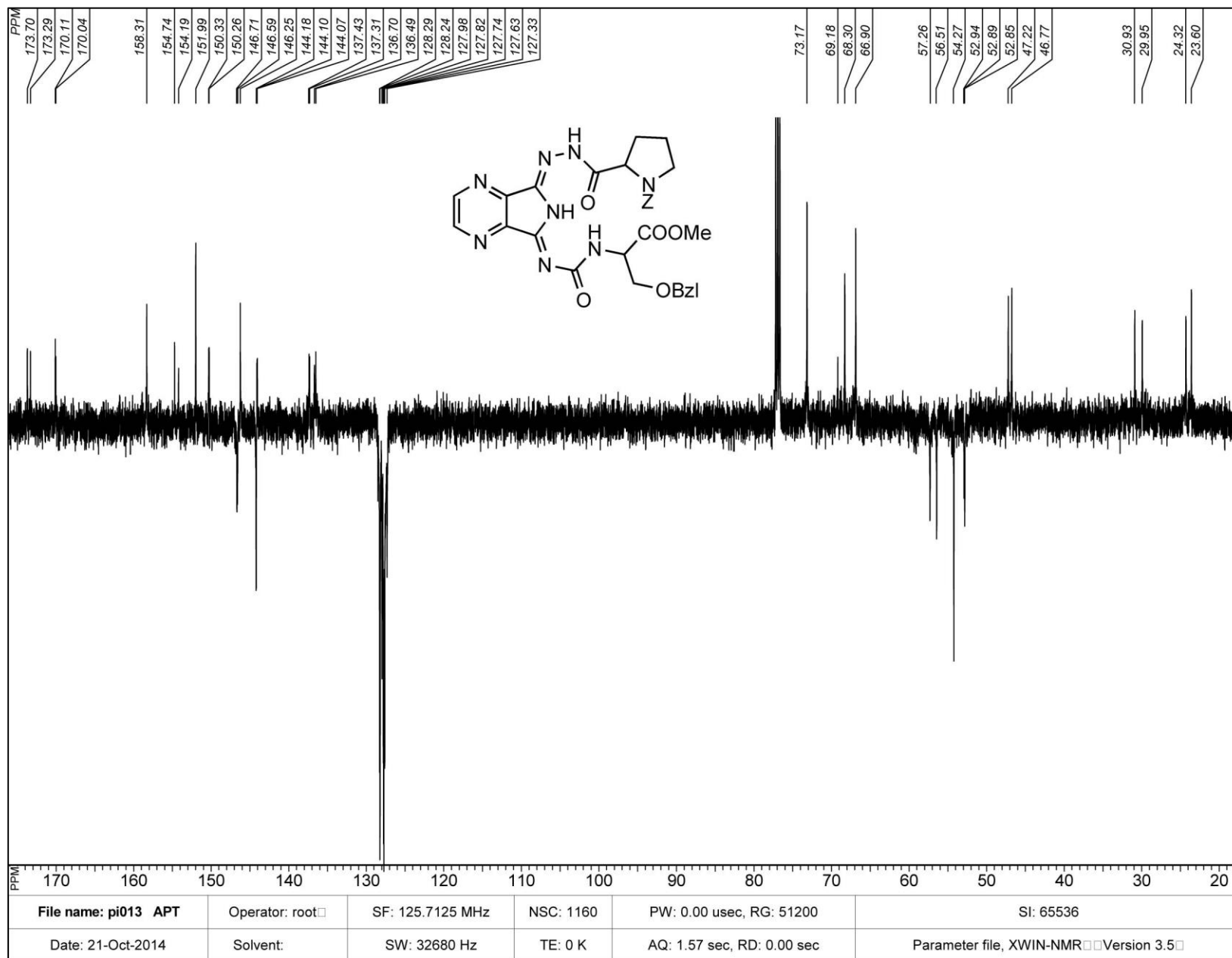
2e, ¹³C NMR, 125 MHz, CDCl₃



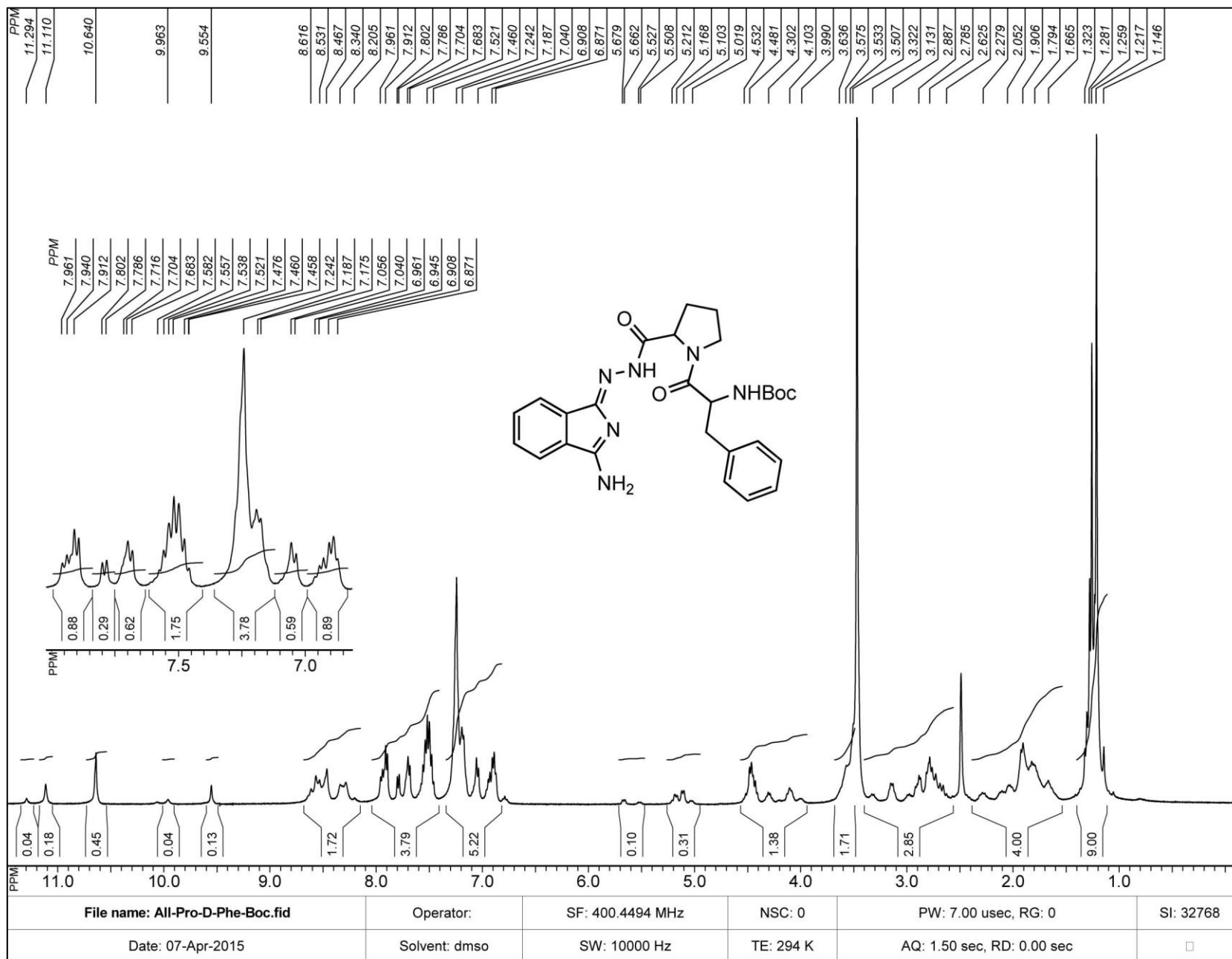
2f, ¹H NMR, 500 MHz, CDCl₃



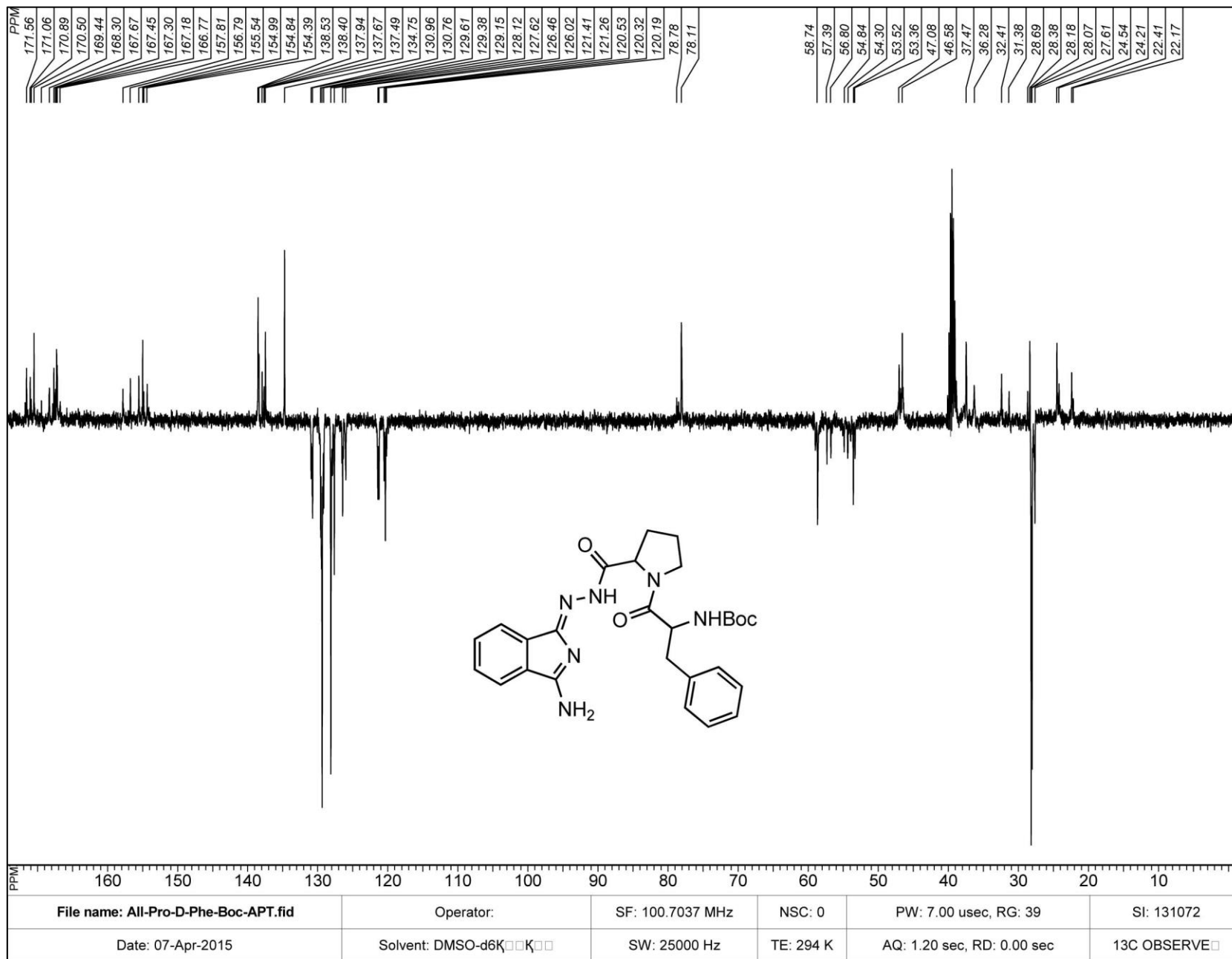
2f, ¹³C NMR (APT), 125 MHz, CDCl₃



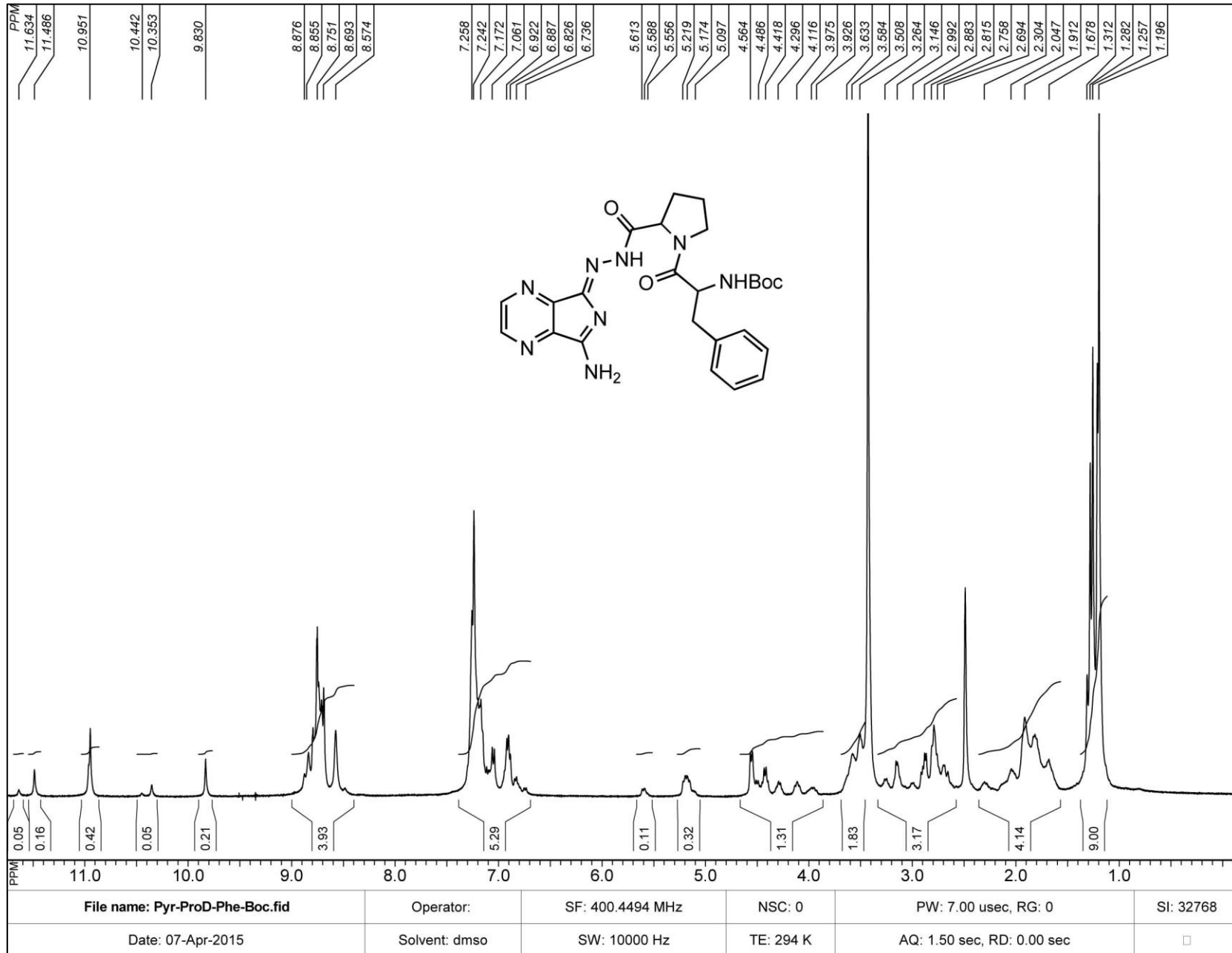
7, ¹H NMR, 400 MHz, DMSO[D₆]



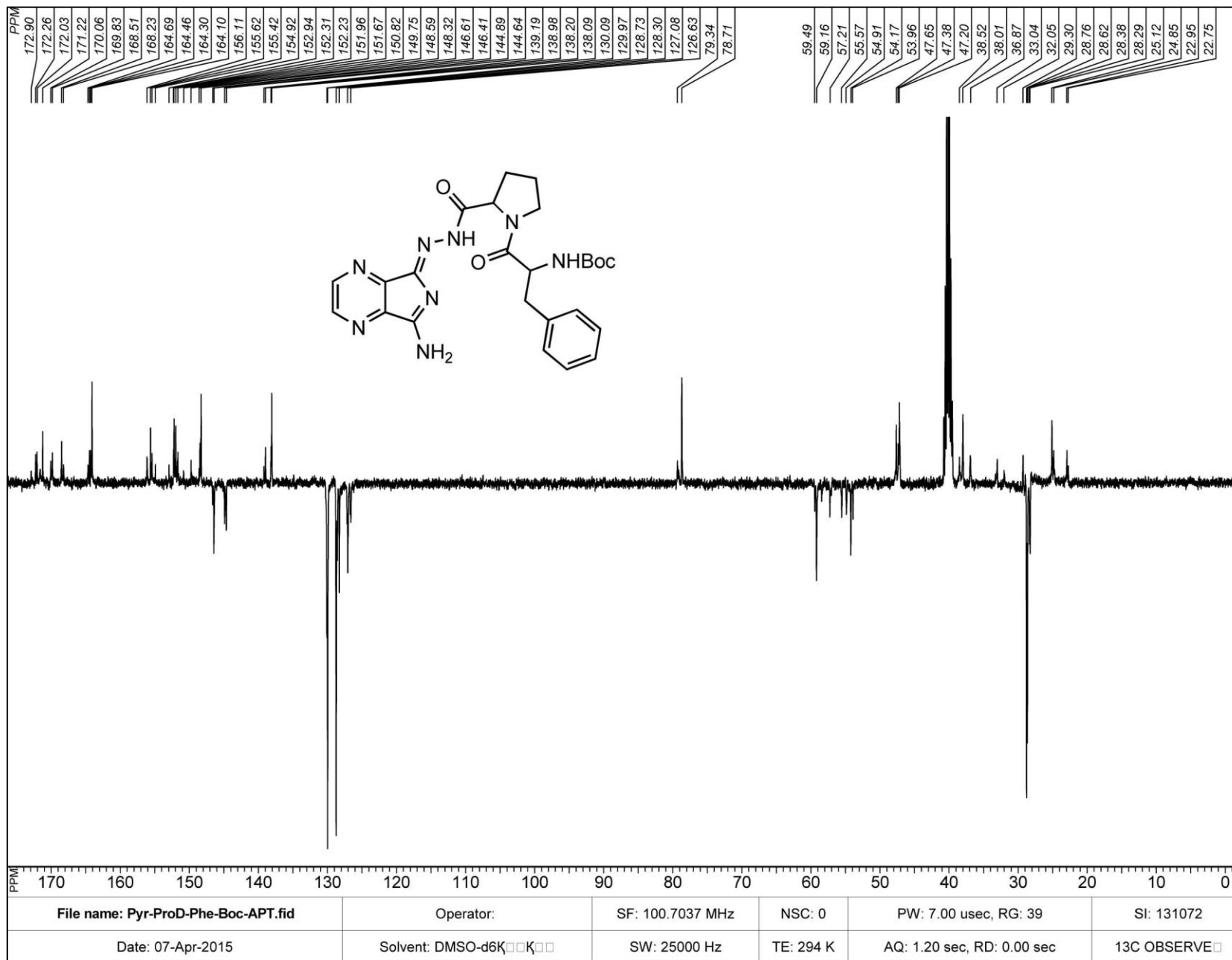
7, ¹³C NMR (APT), 100 MHz, DMSO[D₆]



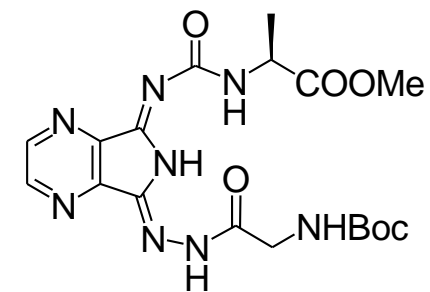
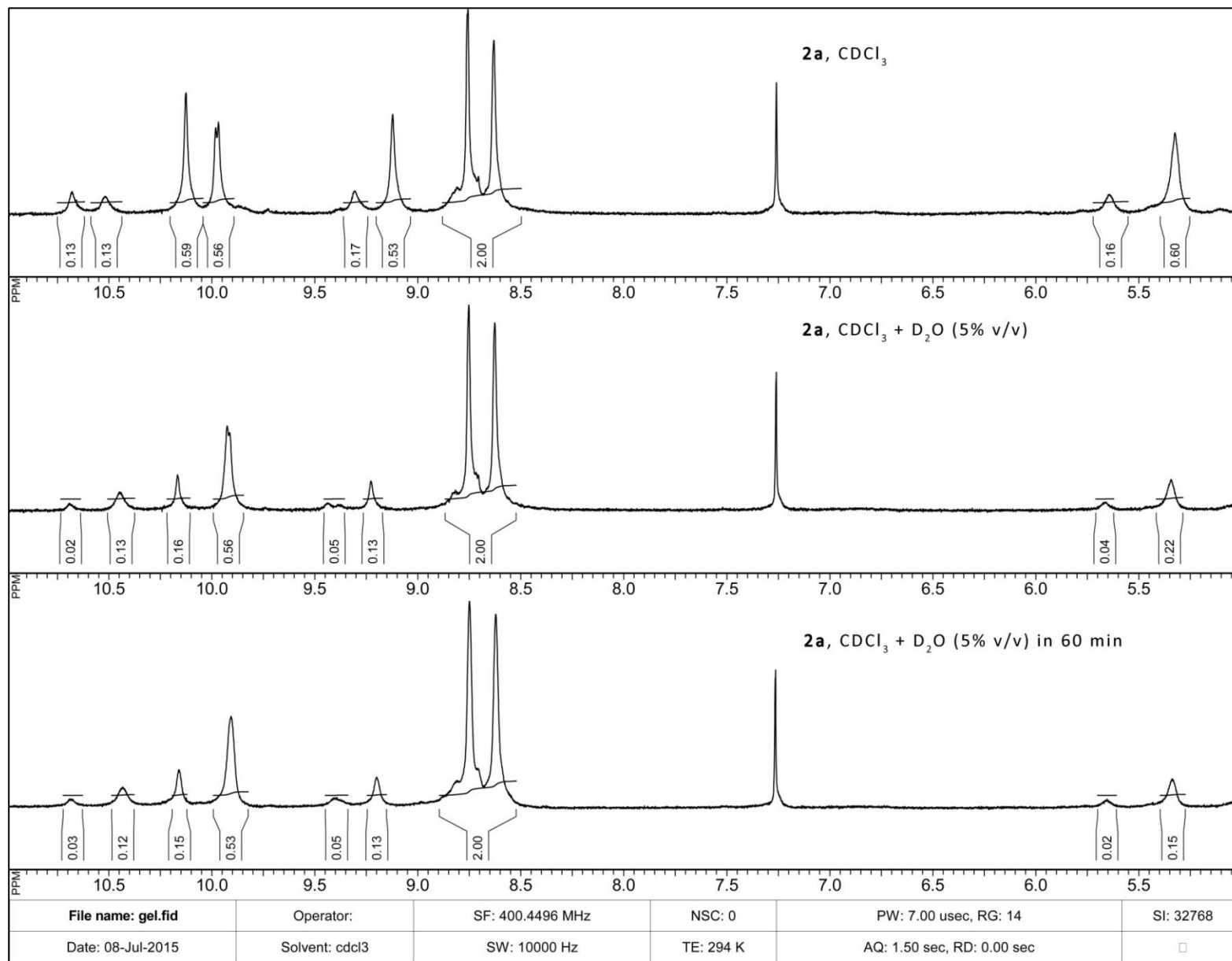
8, ¹H NMR, 400 MHz, DMSO[D₆]



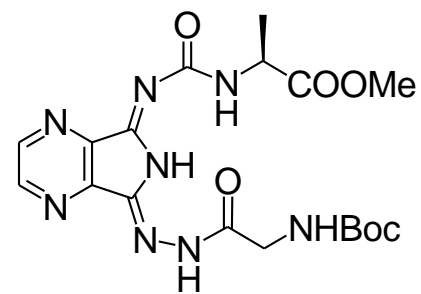
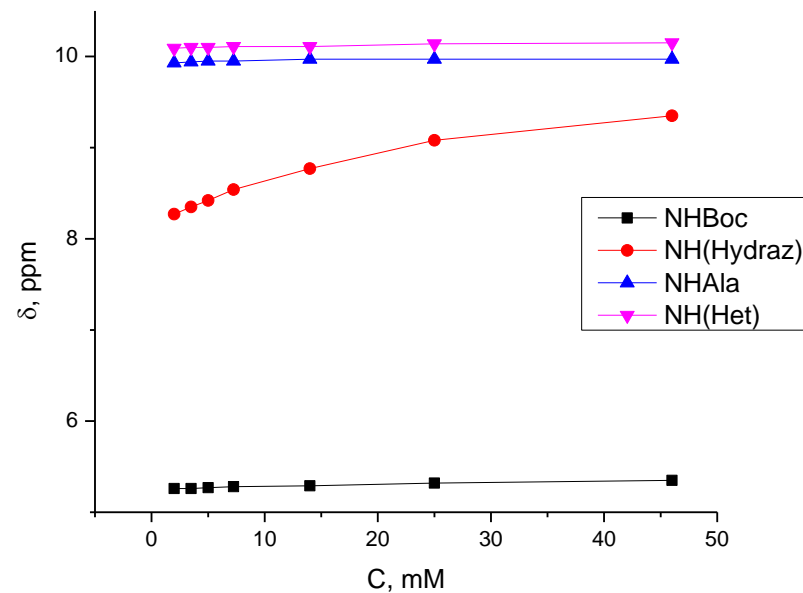
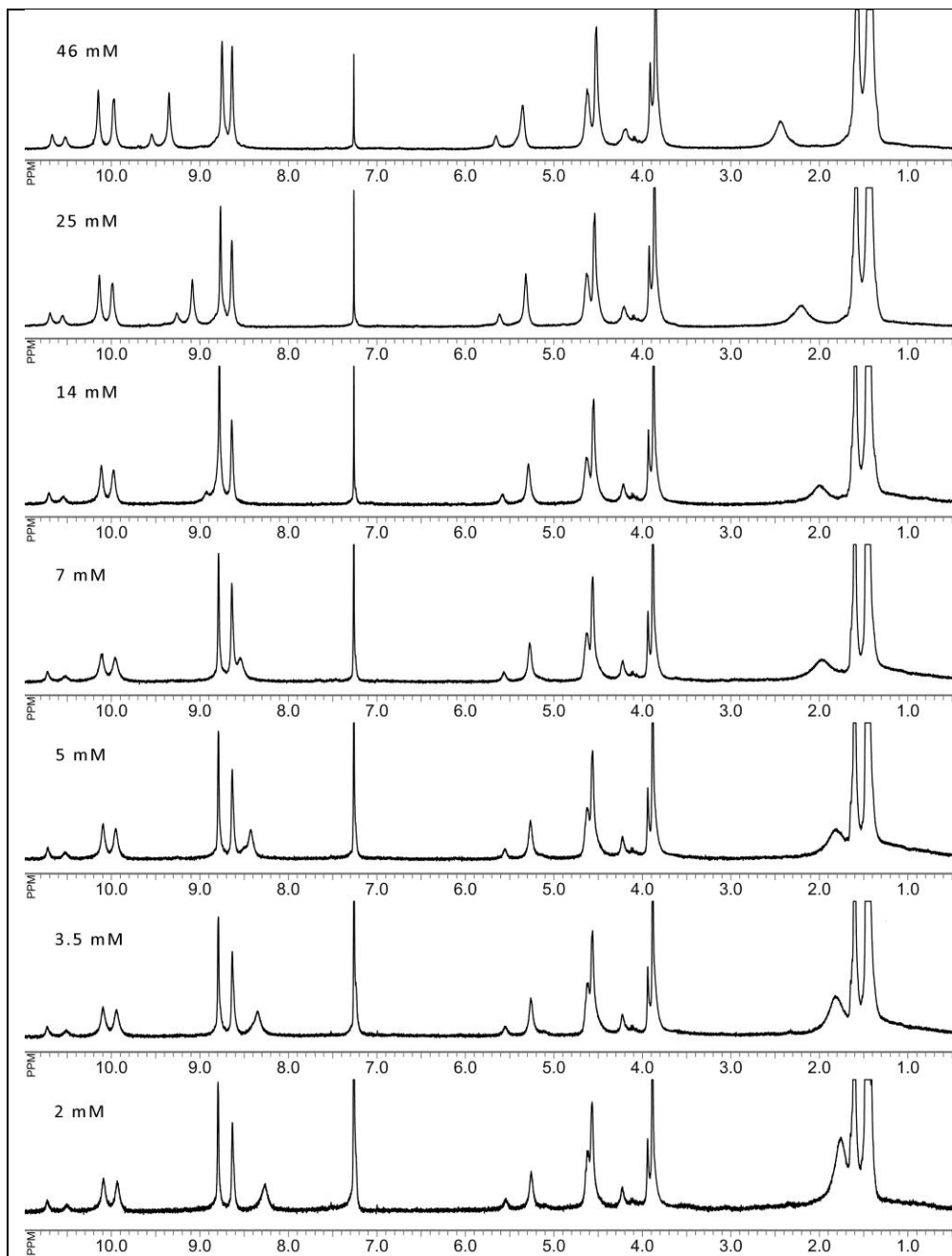
8, ¹³C NMR (APT), 100 MHz, DMSO[D₆]



Hydrogen-Deuterium exchange experiment for **2a**, 400MHz, CDCl₃



Concentration dependence of NH chemical shifts for **2a** in CDCl₃ at 20°C, 400MHz



Temperature dependence of NH chemical shifts for **2a** in CDCl₃, 20mM, 400MHz

