Stereoselective Synthesis of Unnatural Spiroisoxazolinoproline-Based Amino Acids and Derivatives

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Supporting Information Available:

Copies of ¹H NMR and ¹³C NMR for compound **5**, **9a**, and **9b** and X-ray structures for **9b**, **13a**, and **15** (9 pages).

	¹ H-NMR	¹³ C-NMR	X-ray
5	SI 2	SI 3	
9a	SI 4	SI 5	
9b	SI 6	SI 7	SI 8
13a			SI 9
15			SI 10

9b major

STANDARD 1H OBSERVE

Pulse Sequence: s2pul

Solvent: DMSO

Temp: 25.00°C / 298.1 K

File: w0005H

Mercury-300 "nmr-300"

PULSE SEQUENCE

Relax. delay 1.000 sec

Pulse 99.3 degrees

Pulse 99.3 degrees

Width 4500.5 Hz

18 repetitions

OBSERVE H1, 300.0785641 MHz

DATA PROCESSING

FT size 32768

Total time 0 min, 49 sec

9b major

13C OBSERVE

Pulse Sequence: s2pul

Solvent: DMSO

Temp: 73.0 C / 348.1 K

Mercury-300 "nm300"

PULSE SEQUENCE

Pulse 58.9 degrees

Acq. time 1.915 sec

1500 PPM

1500 PPM

OBSERVE C13, 75.4548835 MHz

DECOUPLE H1, 300.0800889 MHz

Power 36 dB

continuously on

WALTZ-16 modulated

DATA PROCESSING

Line broadening 1.0 Hz

FT size 131072

Total time 17 hr, 34 min, 59 sec

X-ray structure of **9b**.

X-ray structure of **13a**.

X-ray structure of **15**.