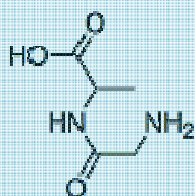


Quick measurements of ^{15}N solid-state NMR at natural abundance by high-sensitivity 8 mm MAS

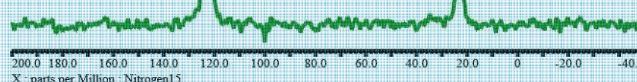
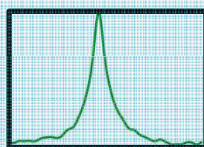
8 mm MAS realizes highly sensitive observations of ^{15}N NMR. 8 mm MAS achieves 10 times quicker measurements than 4 mm MAS with almost identical resolution. The combination of a very large volume of 616 μL , a fast MAS rate of 8 kHz, and strong rf field irradiations provide amazing high resolution and sensitivity even with narrow-bore magnet (54 mm).

^{15}N CPMAS of glycyl-L-alanine at natural abundance

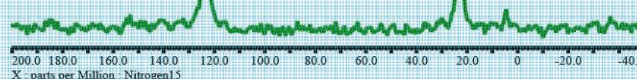
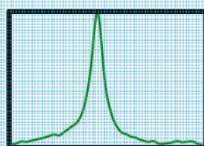
Glycyl-L-alanine



4 mm MAS at 10 kHz with
21032 scans

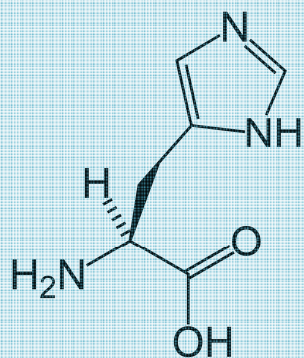


8 mm MAS at 6 kHz
with **2048** scans

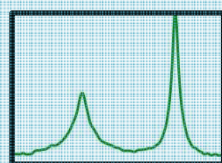


X10 time saving!



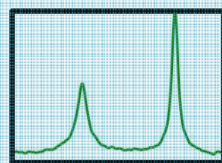
^{15}N CPMAS of L-histidine HCl at natural abundance**L-histidine HCl**

4 mm MAS at 10 kHz with
32768 scans



200.0 100.0 0

8 mm MAS at 6 kHz
with **3840** scans



200.0 100.0 0

X8.5 time saving!

Enjoy ^{15}N NMR at natural abundance!

