Overview of new solid NMR probe: HCN MAS probe

Product used: Nuclear Magnetic Resonance (NMR)

Triple resonance HCN MAS probe is dedicated to analyze mainly biological samples. Wide variety sample stators (0.75mm, 1mm, 2mm, and 3.2mm) will be available for $^1$H, $^{13}$C observations and/or various purpose. Also, HCN probe with FTS type temperature control unit is capable to keep suitable sample temperature under high MAS speed.

2D NCOCX(left) and 2D CONCA(right) spectra
Instrument: JNM-ECZ600R + 3.2 mm HCN MAS probe
Sample: $^{15}$N, $^{13}$C labeled MLF Tri-peptide

3D CO(CA)NH spectrum
Instrument: JNM-ECZ600R + 0.75 mm HCN MAS probe
Sample: $^{15}$N, $^{13}$C labeled f-MLF Tri-peptide