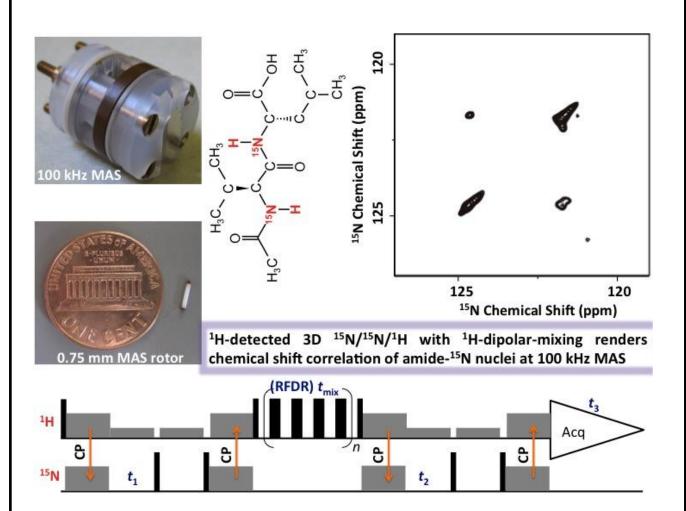
¹⁵N-¹⁵N correlation with ¹H detection at 100 kHz MAS

¹⁵N-¹⁵N correlation is demonstrated. Although nitrogen nuclei play crucial parts in many materials, there is only a few reports on ¹⁵N-¹⁵N correlation because of very weak ¹⁵N-¹⁵N homonuclear dipolar interactions. ¹H-¹H spin diffusion, which is accelerated by RFDR, can be used instead of ¹⁵N-¹⁵N interactions to correlate ¹⁵N nuclei. The correlation spectra are observed indirectly by ¹H with 3D manner.



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