



pH sensitive ^{13}C diaminopropionic acid

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Field strength: 7 T

Why is this your favorite spectrum?

The given image was reconstructed from pH sensitive ^{13}C NMR shifts of the amino acid derivative diaminopropionic acid that was filled in letter-shaped compartments of different pH in a 3D printed phantom. pH back-calculation was based on the Henderson-Hasselbalch equation, which is shown in the image. This is probably the most elaborate and expensive text-based image that was ever created in our lab.