



EmrE labeled with ^{15}N , ^{13}C leucine

James Banigan, 2014

Chemistry Department | New York University

Field strength: 14.1 T

Why is this your favorite spectrum?

For resolved peaks, the linewidths in both the ^{15}N and ^{13}C dimensions were $\sim 50\text{Hz}$, which is pretty awesome for a protein in proteoliposomes, spinning at 12.5 kHz, not frozen, and non-crystalline. Additionally, for several leucine residues, we were able to observe the two populations that have been reported for EmrE in the drug-free state.

