|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Experiments | Dimension of acquired data | | | Spectral width  (ppm) | | | na |
| t1 t2 t3 | | | F1 F2 F3 F3 | | |  |
| **HCN2 CNBD** b | | | | | | | |
| 1H-15N-HSQC | 256(15N) | 1024(1H) |  | 32 | 16 |  | 8 |
| CBCA(CO)NH | 108(13C) | 56(15N) | 2048(1H) | 72 | 32 | 16 | 16 |
| HNCACB | 108(13C) | 56(15N) | 2048(1H) | 72 | 32 | 16 | 16 |
| HNCO | 80(13C) | 56(15N) | 2048(1H) | 18 | 32 | 16 | 4 |
| HN(CA)CO | 80(13C) | 56(15N) | 2048(1H) | 18 | 32 | 16 | 16 |
| 15N-edited [1H-1H]-NOESYc | 192(1H) | 74(15N) | 2048(1H) | 14 | 70 | 14 | 16 |
| **TRIP8bnano**d | | | | | | | |
| 1H-15N-HSQC | 128(15N) | 1024(1H) |  | 40 | 14 |  | 16 |
| CBCA(CO)NH | 88(13C) | 48(15N) | 2048(1H) | 80 | 40 | 16 | 24 |
| HNCACB | 88(13C) | 48(15N) | 2048(1H) | 80 | 40 | 16 | 24 |
| HNCA | 88(13C) | 48(15N) | 1024(1H) | 50 | 40 | 16 | 24 |
| HN(CO)CA | 88(13C) | 48(15N) | 1024(1H) | 50 | 40 | 16 | 24 |

a number of acquired scans. b Experiments were acquired on a 700 MHz Bruker spectrometer equipped with a triple resonance cryoprobe at 298 K. All the triple resonance (TCI 5-mm) probes used were equipped with Pulsed Field Gradients along the z-axis.

c 15N-edited edited 3D NOESY-HSQC experiments was acquired with a mixing time value of 100ms at the Bruker Avance 950 MHz spectrometer. d Experiments were acquired on a 500 MHz Bruker spectrometer equipped with a triple resonance cryoprobe at 298 K. All 3D and 2D spectra were processed using the standard Bruker software TOPSPIN 2.1 and analyzed through CARA (Keller R *et al*, 2002; Keller RLJ. 2004).

Keller R, Wüthrich KA. (2002) New Software for the Analysis of Protein NMR Spectra.

Keller RLJ. (2004) The Computer Aided Resonance Assignment tutorial. Goldau: CANTINA Verlag.