**Amyloid Hydrogen Bonding Polymorphism Evaluated by 15N{17O}REAPDOR Solid-State NMR and Ultra-High Resolution FTICR-MS**
Wei, Juan; Antzutkin, Oleg; Filippov, Andrei; Iuga, Dinu; Lam, Pui Yiu; Barrow, Mark; Dupree, Ray; Brown, Steven; O'Connor, Peter

All data are Bruker NMR data sets recorded by Oleg Antzutkin and Dinu Iuga

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| --- | --- | --- |
| Date  | Figure  | Data file |
| 2013/12/04 | S10 | 15N\_17O\_041213\_Glycine test /12 /22 /32 /42 /52 for MAS offsets 0, 200 Hz, 500 Hz, 1 kHz, 2 kHz respectively15N\_17O\_041213\_Glycine test / 523 data on the hydrated and frozen glycine |
| 2011/03/082010/10/26 | S11 | 15N17O\_080311\_AB1622\_fibrils/315N17O\_261010\_AB1622\_dry/19 added up to /25 |
| 2011/03/08 | S12 | 15N17O\_080311\_AB1622\_fibrils /10; /11; /5 added up to /12; /4 added up to /13; /1 and /3 for 0.5 ms, 1 ms, 3 ms, 5 ms, 7 ms and 9 ms respectively  |
| 2011/03/08 | S13 | 15N17O\_080311\_AB1622\_fibrils /10; /11; /5 added up to /12; /4 added up to /13; /1 and /3 for 0.5 ms, 1 ms, 3 ms, 5 ms, 7 ms and 9 ms respectively  |

The paper reanalyses information presented in:

**Hydrogen Bonding in Alzheimer’s Amyloid-β Fibrils Probed by 15N{17O} REAPDOR Solid-State NMR Spectroscopy**
Oleg N. Antzutkin, Dinu Iuga, Andrei V. Filippov, Robert T. Kelly, Johanna Becker-Baldus, Steven P. Brown and Ray Dupree
Angew. Chem. Int. Ed., 51, 10289 –10292, (2012)

which was based on the following data:

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| Date  | Figure  | Data file |
| 2010/10/262011/05/12 | Figure 2 | 15N17O\_261010\_AB1622\_dry /10 added up to /11, and /2615N17O\_120511\_AB11-25\_ph2.4\_fibrils /3 added up to /10, /20 and /40 |
| 2010/10/262011/05/12 | Figure 3 | 15N17O\_261010\_AB1622\_dry /18; /21 added up to /22; /23 added up to /24; /15 added up to /20; /10 added up to /11, and /26 for 2 ms; 3 ms ; 4 ms 5 ms 7 ms respectively15N17O\_120511\_AB11-25\_ph2.4\_fibrils/23; /22 added up to /12; /21 added up to /11 and /4; /3 added up to /10, /20 and /40 for 1 ms. 3 ms 5 ms and 7 ms respectively  |
| 2011/09/09 | S2 | 15N17O\_090911\_AB11-25\_ph7.4\_fibrils/2 |
| 2010/03/022011/05/12 | S4 | 15N17O\_100302\_AB1622dry/115N17O\_120511\_AB11-25\_ph2.4\_fibrils/1 |
| 2011/05/12 | S6 | 15N17O\_120511\_Glycine/5; /3; /8; /7 for 0.33, 0.48, 1 and 2 tau-R respectively |
| 2010/10/262011/05/12 | S8 | 15N17O\_261010\_AB1622\_dry /18; /21 added up to /22; /23 added up to /24; /15 added up to /20; /10 added up to /11, and /26 for 2 ms; 3 ms ; 4 ms 5 ms 7 ms respectively15N17O\_120511\_AB11-25\_ph2.4\_fibrils/23; /22 added up to /12; /21 added up to /11 and /4; /3 added up to /10, /20 and /40 for 1 ms. 3 ms 5 ms and 7 ms respectively  |
| 2011/09/09 | S9 | 15N17O\_090911\_AB11-25\_ph7.4\_fibrils /3; /4; /5 and /6 for 1 ms, 3 ms, 5 ms and 7 ms respectively |