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by Fu Chen

Extra: Calibrate Gradient strength of a probe.

Use 5 mm Shegimi Freshly prepared D2O (no H20) doped with Cu So4sample;

Temperature must be set at 25C.

Lit. value for water is 2.3e-09m2/s

Lit value for D2O is 1.87e -09m2/s

To change the gradient strength:

Return to 2d data set (click top menu bar icon), then, type gradpar.

getprosol or edhead WILL NOT load this parameter. Once have to enter from your own record! or save in the edhead paramater file.

Then, to repeat the calibration:

Type dosy restore;

Analysis > T1/T2, then, use "arrow" icon to pick peak (no need to define peaks or regions),

Click ">" to recalculate the Diffusion coefficient (s).

THe bigger the gradpar, the smaller the D value. typical range for probes (5.5 to 4.8).

Feb 2011, BBI, calibrated with pure D2O (2mg CuSO4) using this parameter

at 25 °C 5.55 G/mm.