Multi-peak solvent suppression (using WET)

ONLY 600 MHz (Topspin 3.6)

This experiment will suppress multiple peaks of a protonated solvent. Use WaterSup for protonated solvents with only one peak.

Acquire a 1H Spectrum

Create a new dataset by typing **new** and enter a new NAME for this dataset as needed.
If deuterated solvent is available, lock, shim, **atma**, and run a ^{1}H NMR experiment in EXPNO 1 with the parameters you'd like for your suppressions spectrum (sw, o1p, etc.). You can run this experiment without lock solvent.

Check to make sure the probe is tuned to ^{13}C

Add a new experiment into your dataset by typing **new** and changing the EXPNO to 2. Load a parameter set to acquire a C13CPD experiment.
Type **atma** to make sure the probe's X-channel is tuned to ^{13}C. You do not need to acquire a ^{13}C spectrum.
The WET solvent suppression pulse sequence uses ^{13}C decoupling.

Set up the Experiment

Type **re 1** to return to your proton NMR spectrum.
Click "Acquire" from the Topspin menu items
Select "More" --- "Set up Selective 1D Expt"
Read the message and click 'Close'.

Click "Define Region". Integrate the peaks in the spectrum you need to suppress.
Select the  and choose "Save region To 'reg'". Do not save the integrals. Select 'No' when returning out of the integration mode.

Creating the dataset and Start the Acquisition

Click "Create Dataset"
Select "Multi Solvent Supp/WET"
When prompted, type in the number of scans needed (ns) and the EXPNO for the location of the spectrum in the dataset.
Click 'Accept' and 'OK' and the acquisition will begin.

Process the data

Process the data as usual using **efp** and **apk**. You will likely need to manually phase both the 0 order and 1st order phases of the spectrum. If the peaks are not fully suppressed, they may be out of phase with the peaks of interest.