

Selective 1D Experiments

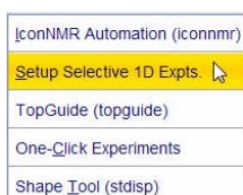
(1D NOE, homonuclear decoupling, solvent suppression)

+ First run a one scan 1D proton spectrum. Use ns of 1 and ds of 0.

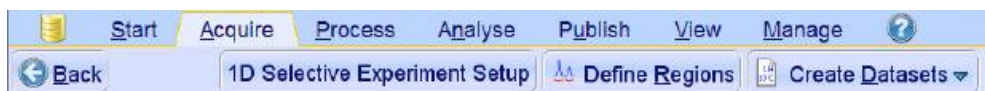
+ Go to the [Acquire] menu and select **Options**.



+ Choose [Setup Selective 1D Experiment] under the drop down menu.



A new menu will appear and flash briefly:

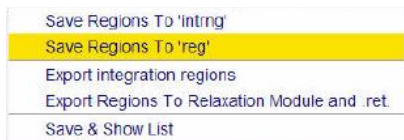


+ If you select **1D Selective Experiment Setup**, directions for setting up the experiment will appear:



+ [Close] this window, and select **Define Regions** which will put you in the integration mode.

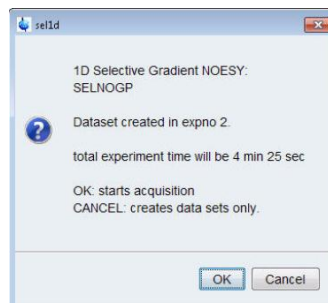
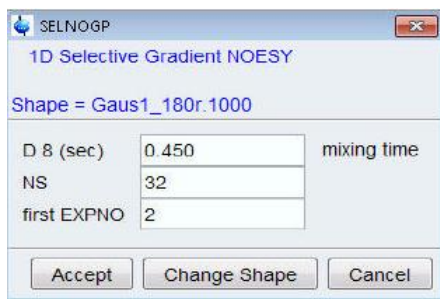
+ In your 1D spectrum, integrate the peak of interest, then select **Save As** and [Save Regions to 'reg'], then exit **Alt+F4**. Answer [no] to the question about saving regions. Note: several peaks can be integrated and a separate dataset will be created for each one.



+ Select  **Create Datasets** and choose the desired experiment from the list.



For a selective gradient NOESY, you will get the window on the left:



+ Adjust the values (d8 ranges from 0.1 to 0.8 s depending on the size of your molecule) as desired and click on **[Accept]**.

+ Clicking **[OK]** in the window on the right will start the experiment.