

General Hints for Using ChemDraw

- 1.) Use "View" and "Show Crosshairs" to keep formulas and equations level.
- 2.) Use "Structure" and "Clean up Structure" to fix bond lengths and angles.
- 3.) By using "Object" and "Apply Object Settings from" you can set the defaults of various features (such as bond distances, angles, text size and font to name a few) to be consistent with a particular style (ACS Document 1996 for instance). This way the pictures you draw and the reaction schemes you create will be ready for inclusion into an ACS paper.
- 4.) Use the solid and dashed wedges to create a 3D effect.
- 5.) Use the lasso button to capture a specific segment of your drawing.
- 6.) Use the "Structure Perspective" button to orient your drawing if necessary.
- 7.) Use the hot key F9 for subscripts and F10 for superscripts
- 8.) You can use the "Mass Fragmentation" button for mass spectrometry information.
- 9.) You can predict ^1H and ^{13}C NMR data using "Structure" and "Predict 1H-NMR Shifts" and "Predict 13C-NMR Shifts".
- 10.) To make a clean picture to put into a Word document or a PowerPoint presentation, save your drawing or reaction scheme as either a .gif or .tif file. Once you save the drawing or reaction scheme as a .gif or .tif file, you cannot edit it in ChemDraw though, so use "Save as" rather than "Save".

ChemDraw is available from Dan MacEwan in the Microcomputer Facility (Kolthoff 176) for download onto work computers. For more information see either Dan MacEwan or the Microlab website (<http://www.chem.umn.edu/microlab/>).