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Small java applet for 2D structure drawing

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Trepalin et al. published in [Molecules](#) the article *A Java Chemical Structure Editor Supporting the Modular Chemical Descriptor Language (MCDL)* (open access [PDF](#)). The applet is about 250kB (though the article mentions 200kB) in size and downloadable from the [MCDL](#) project on SourceForge (license: Public Domain). The article compares the applet with the [JChemPaint](#) applet and notes that their applet is much smaller. Both allow a template database for automated structure diagram generation, and the database that comes with the MCDL applet contains 105 fragments, whereas the JChemPaint applet contains a few.

The article also discusses the algorithm they use to deduce bond orders, starting from the MCDL, a problem [CDK](#) is struggling with when dealing with SMILES strings.