



## MENU

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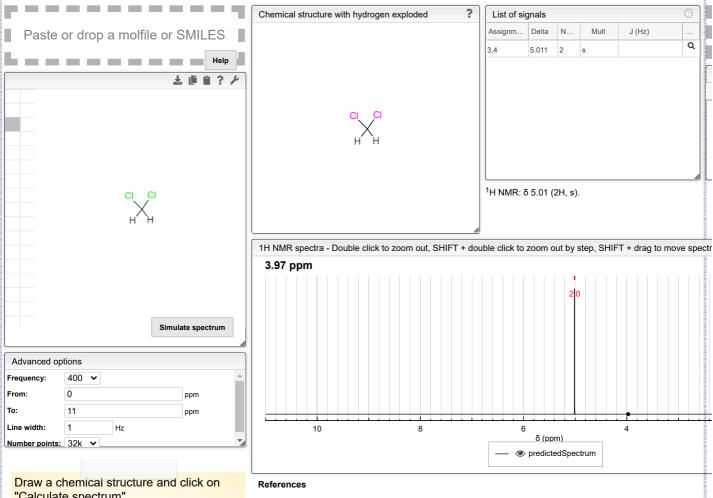
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## NMR Predict

## You may also try the old Applet version

Draw a chemical structure and click on "Calculate spectrum". You may also DRAG / DROP a molfile! You will get an interactive NMR spectrum. References

- Banfi, D.; Patiny, L. www.nmrdb.org: Resurrecting and processing NMR spectra on-line Chimia, 2008, 62(4), 280-281.
- Andrés M. Castillo, Luc Patiny and Julien Wist. Fast and Accurate Algorithm for the Simulation of NMR spectra of Large Spin Systems. Journal of Magnetic Resonance 2011.
- Aires-de-Sousa, M. Hemmer, J. Gasteiger, "Prediction of 1H NMR Chemical Shifts Using Neural Networks", Analytical Chemistry, 2002, 74(1), 80-90.



"Calculate spectrum".

You may also DRAG / DROP a molfile! You will get an interactive NMR spectrum.

Labile protons like OH, NH, CO<sub>2</sub>H are not predicted!

- Banfi, D.; Patiny, L. www.nmrdb.org: Resurrecting and processing NMR spectra on-line Chimia, 2008.
- Fast and Accurate Algorithm for the Simulation of NMR spectra of Large Spin Systems. Andrés M. Castillo L of Magnetic Resonance 2011. 10.1016/j.jmr.2010.12.008

  Aires-de-Sousa, M. Hemmer, J. Gasteiger, "Prediction of 1H NMR Chemical Shifts Using Neural Network
- 74(1), 80-90 most of the proton descriptors are explained. In that work they were used for the prediction of the counterpropagation neural networks. Y. Binev, J. Aires-de-Sousa, "Structure-Based Predictions of 1H NMF Forward Neural Networks",

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