

# TopSpin

*NMR Encyclopedia*  
(*NMRGuide*)

Via a [Web browser](#) TopSpin provides access to the unique NMR Encyclopedia called NMR Guide, which is an extensive database with:

*pulse program diagrams, experiment descriptions, spectra of 100 representative experiments and more than 4,000 literature references.*

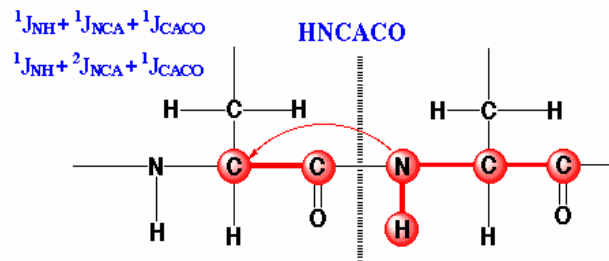
Browse through the contents or perform automatic searches with any keyword.

## Example of an experiment description (extract)

### 4D HNCACO

#### DESCRIPTION

The **4D HNCOCA experiment** has been designed to trace out backbone connectivities in large proteins and protein complexes.



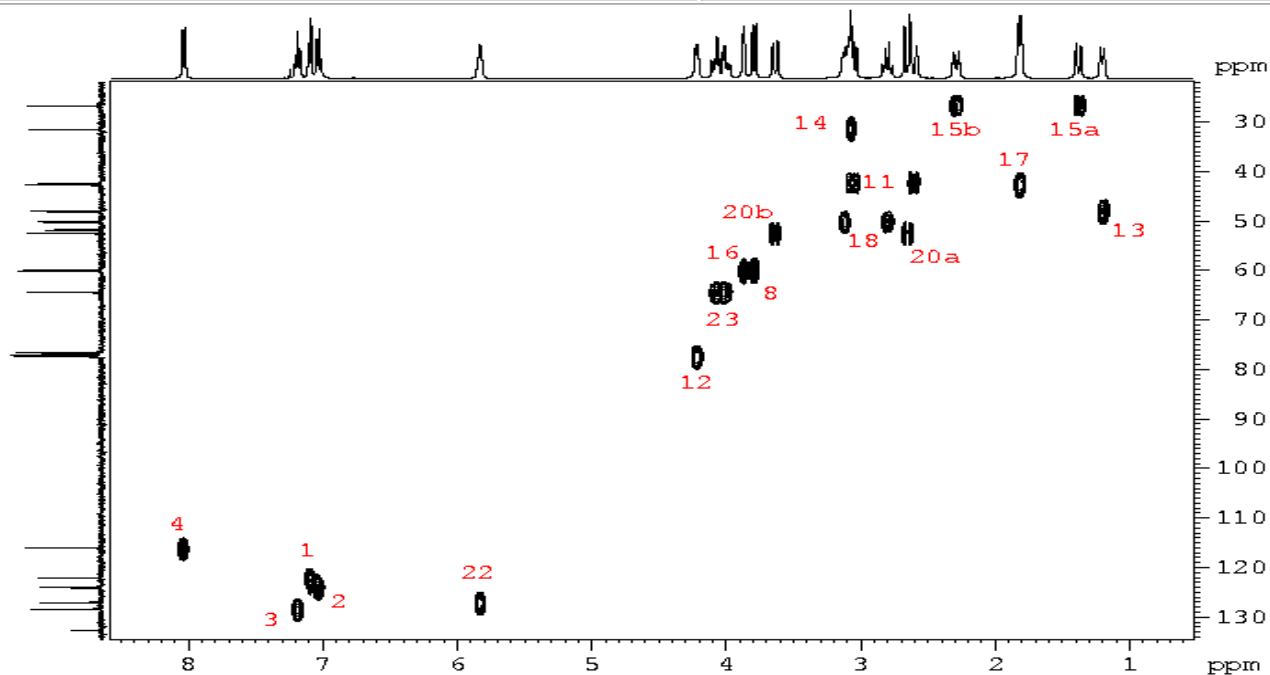
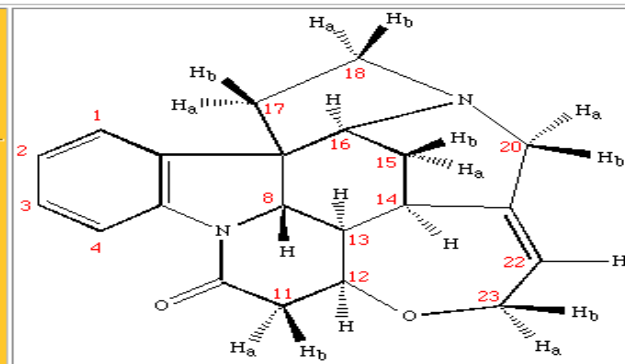
#### REQUIREMENTS

Successful implementation on AVANCE spectrometers equipped with a triple-resonance probehead equipped with PFGs. The experiment is recorded on a  $^{13}C$ ,  $^{15}N$ -labeled protein in  $H_2O$ .

## Example of the spectra data base

Sample: **Strychnine**  
Solvent: CDCl<sub>3</sub>  
Spectrometer: AVANCE 400  
Probehead: Inverse Broadband with z-Gradients

Experiment: [ge-2D HSQC experiment with improved sensitivity](#)  
Details: [AVANCE Tutorial](#)  
Pulse program: [hsqcetgpsi](#) ([Pulse Diagram](#))  
Experiment Time: 3 minutes



## Example of pulse program diagram

