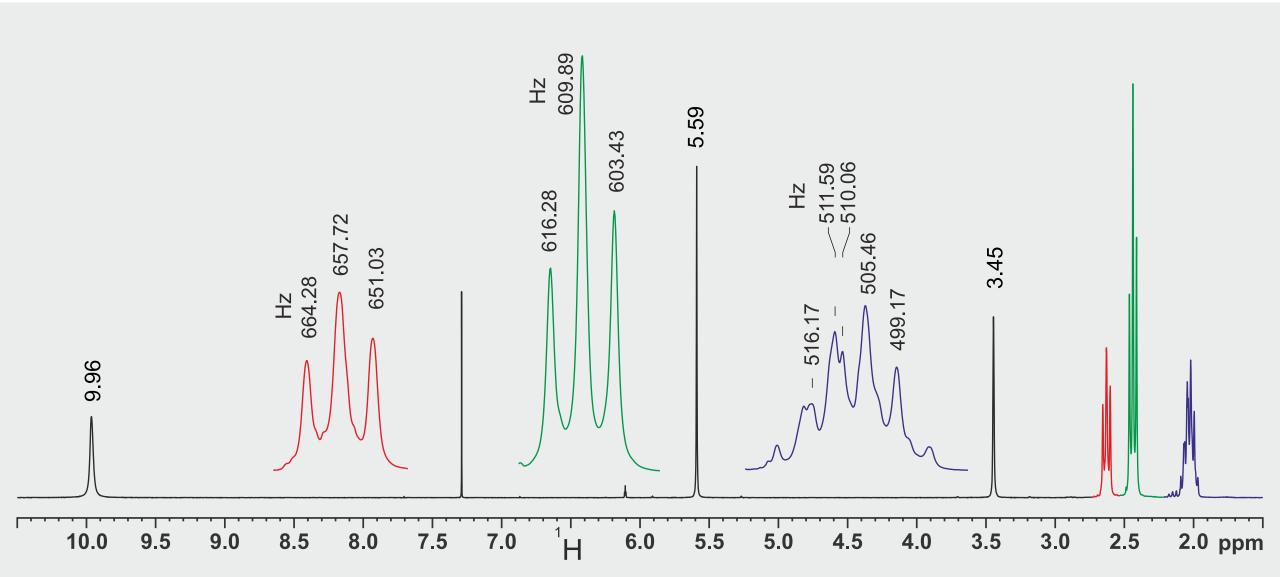
Exercise plus Solution – Quick overview

It is recommended to use this version only for a quick overview of the NMR challenge. All animations of the PowerPoint version are missing, under certain circumstances quality deficiencies may also occur.

The higher quality PowerPoint files are freely available for download at any time.



1,3-Cyclohexadion measured in CDCl₃

1,3-cyclohexadione exists in equilibrium with its enol form..

Assign the signals of both tautomers completely.

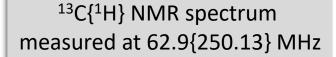
200

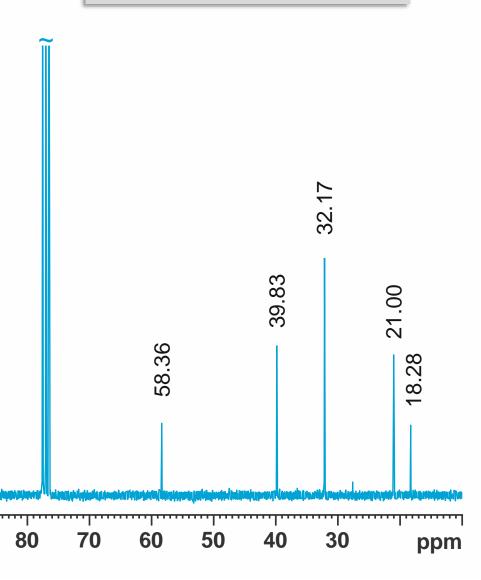
190

180

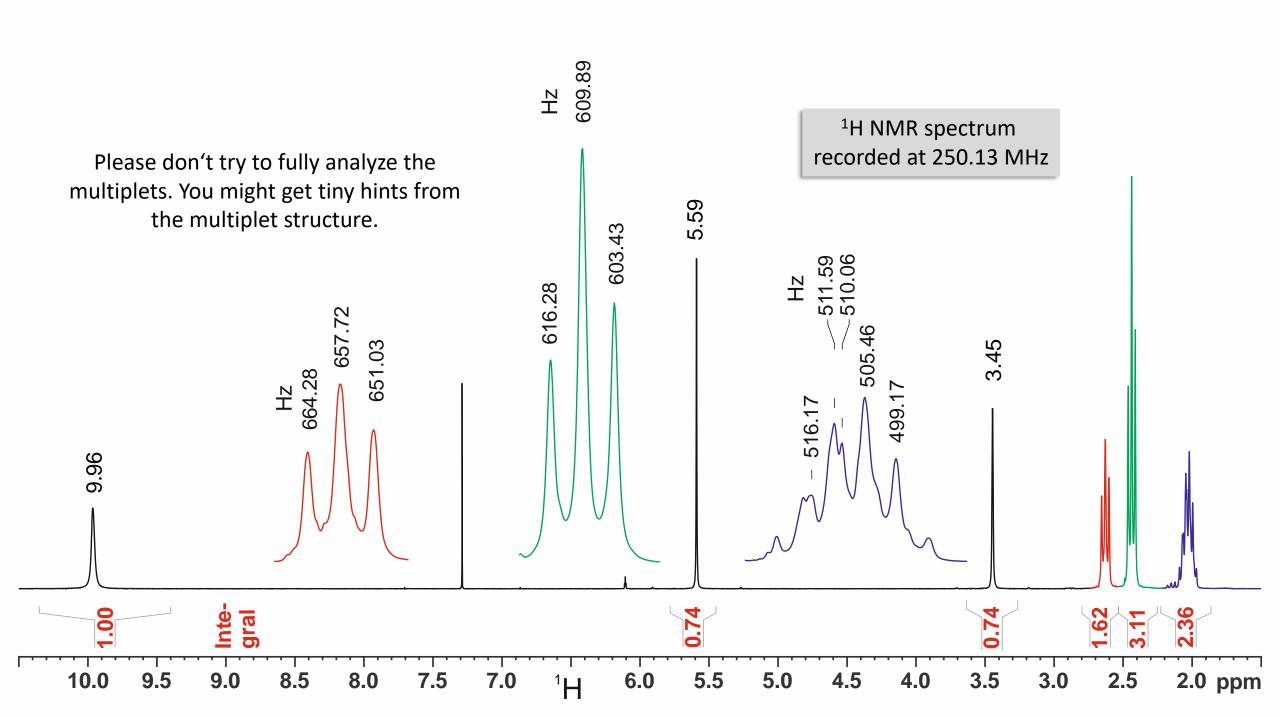
- Determine the amount of both tautomers in equilibrium.
- The integral of the proton signal at 10ppm is slightly larger than theoretically expected. What might be the reason?

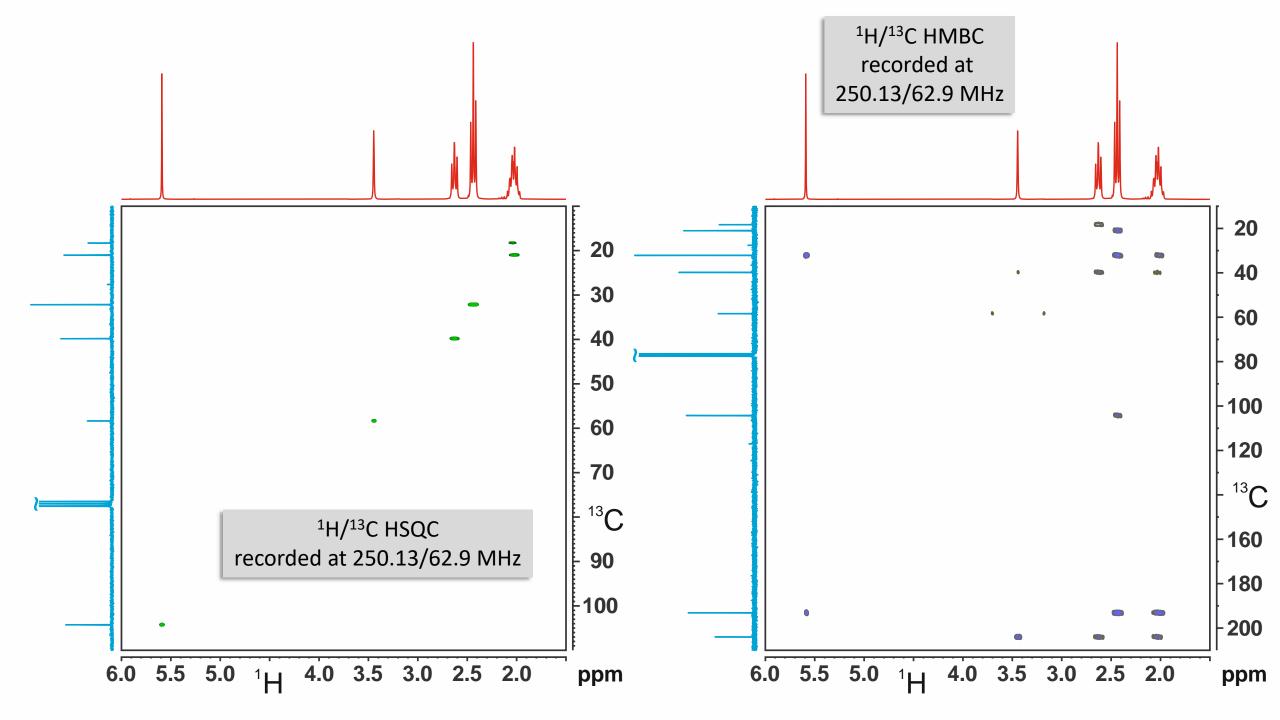
150





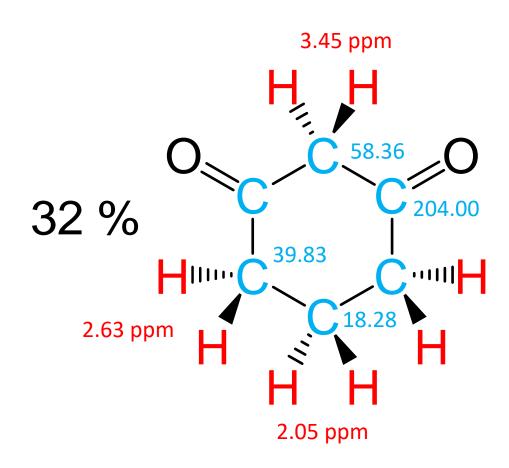
90

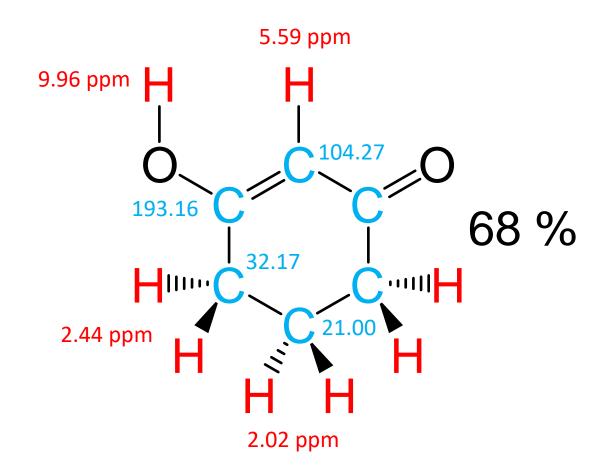




Solution at a glance

There is no step by step solution available so far.





Contributions

