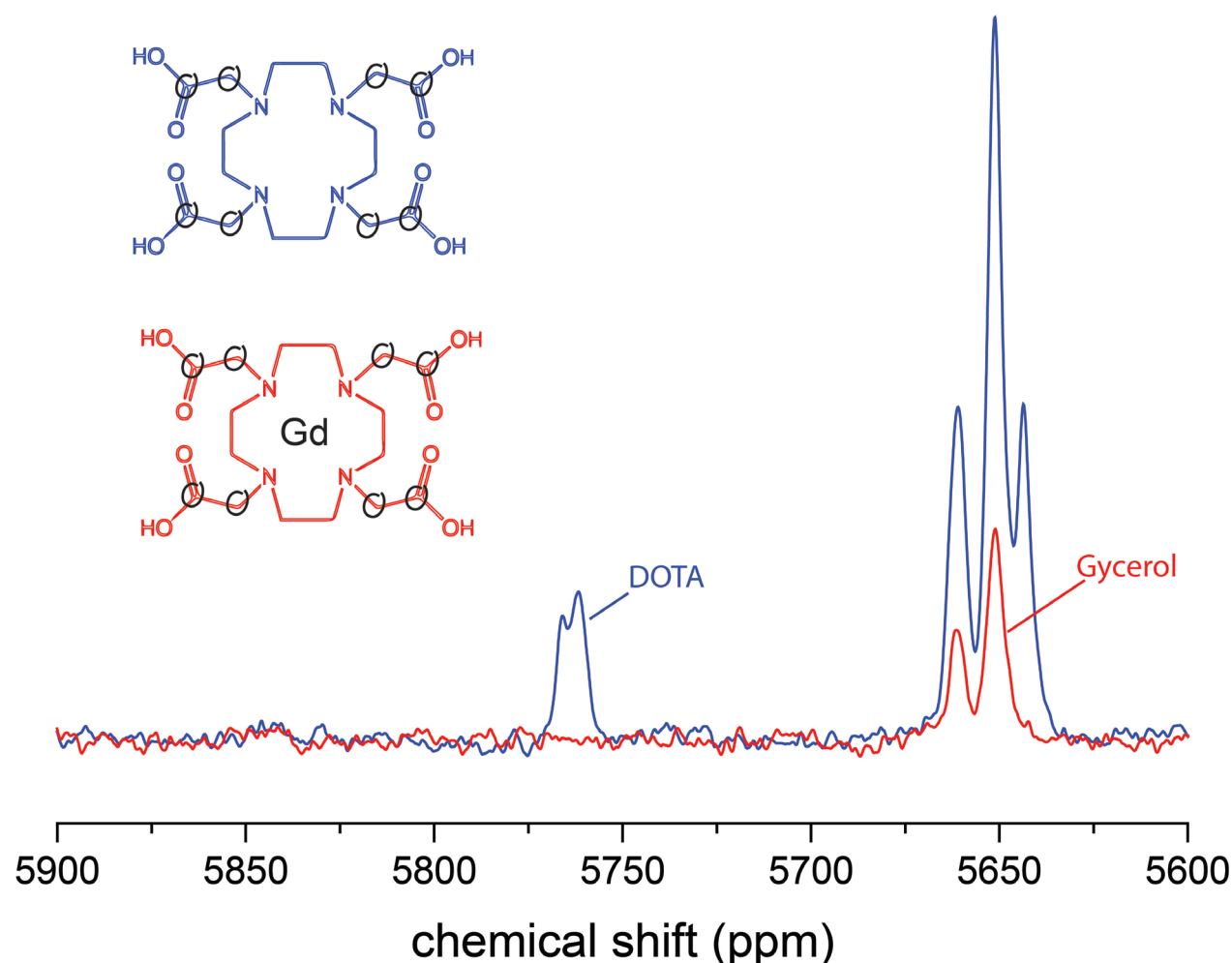




nmr is science



Labelled DOTA and Gd-DOTA in glycerol-water

Monu Kaushik, 2017

Institute of Physical and Theoretical Chemistry | Goethe University Frankfurt

Field strength: 9.44 T

Why is this your favorite spectrum?

This simple comparison shows the NMR signal bleaching due to the presence of paramagnets in the sample. ^{13}C signal of DOTA is bleached due to paramagnetic Gd(III), whereas the glycerol signal from the matrix stays. Such visually pleasing direct information without any data processing is quite satisfying!