NMR measurement time usage on the 700 MHz instrument

Characterization of small molecules and proteins under physiological conditions

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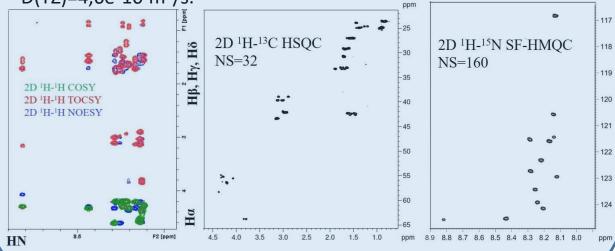
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Investigation of the interaction between the histatine derivative DHVAR4 peptide and food color tartrazine (TZ) at natural isotope distribution by 2D homo- and heteronulear as well as translational diffusion measurements. The 1mM 14 residues long peptide is disordered. The existence of electrostatic interaction between the positive DHVAR4 and negative TZ. $D(DHVAR4) = 2,1e-10 \text{ m}^2/\text{s}$; $D(TZ)=4,6e-10 \text{ m}^2/\text{s}$.



Ricci et al, Quarterly Reviews of Biophysics, 2020, 53, e5, 1-11







