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[972] Focal Molography - a new biophysical method

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Focal Molography is a new label-free method for real-time molecular interaction analysis in buffers, as well as in complex media, such as cell lysate. Here, we show an applied project from drug discovery research of an interaction between a protein and a peptide. The kinetic rate constant (KD) of the interaction was determined in buffer and in cell lysate (1 Mio cells / mL). We have shown that Focal Molography is able to reproducibly measure the KD without any interference of non-specific binding. This new tool will lift drug discovery to new levels of interaction studies.

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