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Gas phase SAXS of protein complexes using our MS SPIDOC platform

MS SPIDOC is a novel sample delivery system for X-ray diffractive imaging at synchrotrons and X-ray Free-Electron Lasers. It accommodates biological samples ranging from small proteins to megadalton-scale particles. Using nano-electrospray ionization, ionic samples can be m/z-filtered and structurally separated prior to imaging. Here, we report the first SAXS data collected at the P12 EMBL beamline of PETRA III.

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