

THE CONFORMATIONAL PANORAMA OF D-PENICILLAMINE: A LASER ABLATION ROTATIONAL STUDY. ^a

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D-Penicillamine, a drug widely used to treat Wilson's disease, removes copper excess from the human body by acting as a chelating agent. In the present work, we address unveiling this molecule's three-dimensional structure as a first approach to shed light on its mechanism of action. Using a laser ablation source, we have transferred solid D-Penicillamine to the gas phase by laser ablation LA and probed it employing CP-FTWM spectroscopy in the isolated conditions of a supersonic jet. Two dominant conformers of the D-Penicillamine have been identified so far.

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