STUDYING THE STEREOCHEMISTRY OF NAPROXEN USING ROTATIONALLY RESOLVED ELECTRONIC SPECTROSCOPY. [a]

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Many biochemical processes are stereospecific. An example is the physiological response to a drug that depends on its enantiomeric form. Naproxen is a drug which shows this stereo-specific physiological response. To better understand the stereo specificity of chiral substances, we observed the $S_1 \leftarrow S_0$ transitions of R- and S-naproxen in the gas phase using rotationally resolved electronic spectroscopy. The results will be discussed.

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