

# Investigation of Some New Nonlinear Optical Crystals by Means of NQR, IR and X-Ray Diffraction Methods\*

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Z. Naturforsch. **53a**, 528 – 536 (1998); received January 26, 1998

Some new analogues of the nonlinear optical crystal L-arginine phosphate monohydrate (LAP) ( $\text{Arg} \cdot \text{HIO}_3$ ,  $\text{Arg} \cdot 2\text{HIO}_3$ ,  $\text{Lys} \cdot \text{HIO}_3$ ,  $\text{Lys} \cdot 2\text{HIO}_3$ ,  $\text{Lys} \cdot 3\text{HIO}_3$ ,  $\text{Bet} \cdot 3\text{HIO}_3$ ) were obtained and investigated by means of IR, NQR, X-ray diffraction and SHG methods. The importance of this class of crystals for revealing new nonlinear optical crystals is pointed out.

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