

Electronic Supplementary Information (ESI)

Absolute chirality of the γ -polymorph of glycine: correlation of the absolute structure with the optical rotation.

Kazuhiko Ishikawa,^a Masahito Tanaka,^b Toshiya Suzuki,^a Akiko Sekine,^c Tsuneomi Kawasaki,^d Kenso Soai,^d Motoo Shiro,^a Meir Lahav,^e Toru Asahi^{*a}

^a Department of Life Science and Medical Bioscience, Consolidated Research Institute for Advanced Science and Medical Care, and TWIns, Waseda University, Tokyo, Japan.

E-mail: tasahi@waseda.jp

^b National Institute of Advanced Industrial Science and Technology, Tsukuba, Japan.

^c Department of Chemistry and Materials Science, Tokyo Institute of Technology, Tokyo, Japan.

^d Department of Applied Chemistry and Research Institute for Science and Technology, Tokyo University of Science, Tokyo, Japan.

^e Weizmann Institute of Science, Rehovot, Israel.

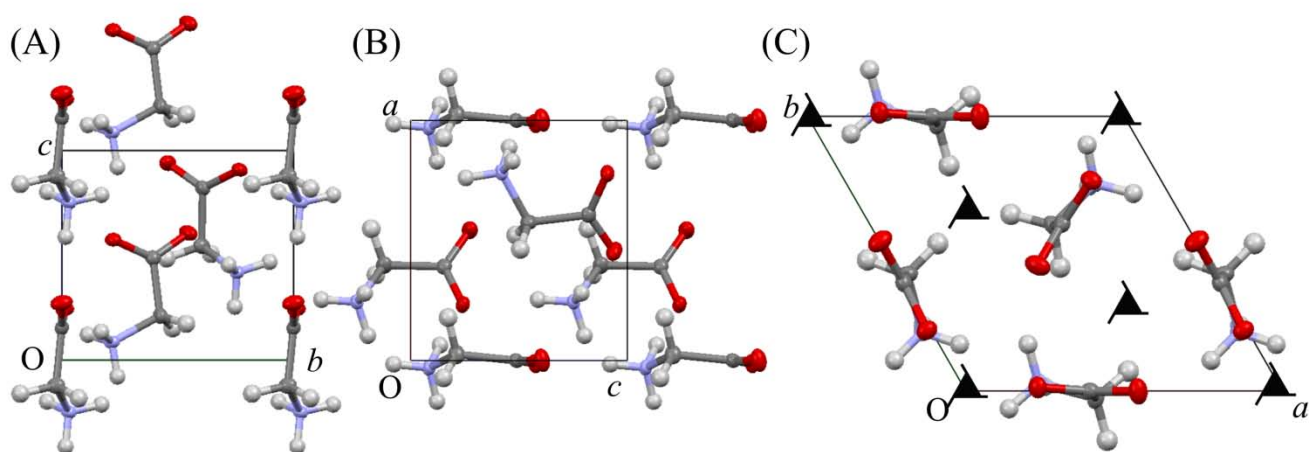


Fig. S1 Crystal structure of Sample I of γ -glycine crystal along (A) the a axis, (B) the b axis, and (C) the c axis (gray: carbon, red: oxygen, blue: nitrogen, white: hydrogen). The 3_1 screw axes are shown in (C).

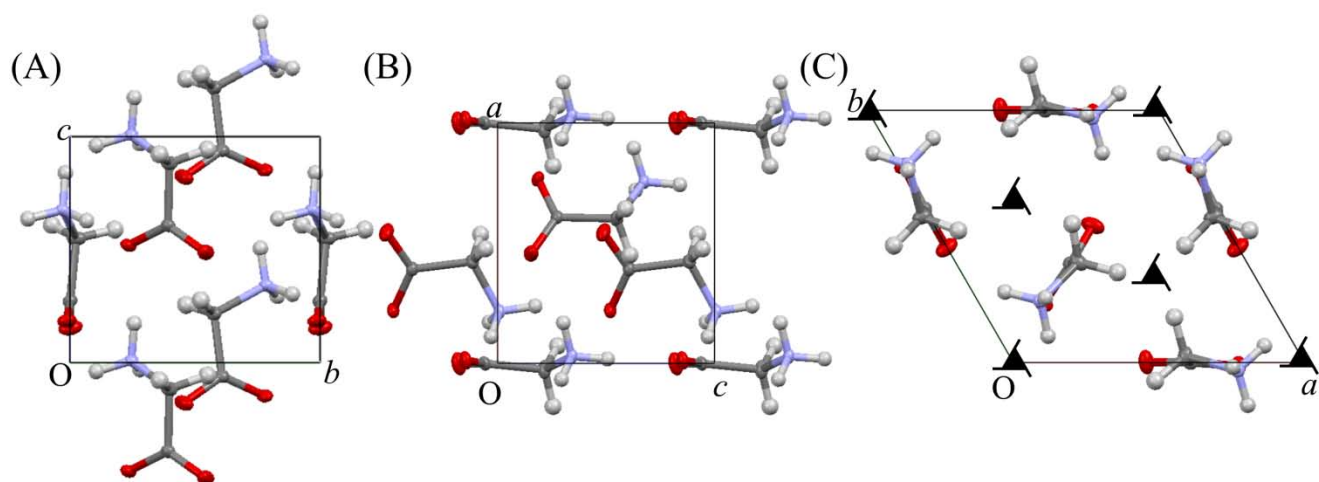


Fig. S2 Crystal structure of Sample II of γ -glycine crystal along (A) the a axis, (B) the b axis, and (C) the c axis (gray: carbon, red: oxygen, blue: nitrogen, white: hydrogen). The 3_2 screw axes are shown in (C).