

Synthesis, crystal structure and characterization of a new layered gallium phosphite $\text{Ga}(\text{HPO}_3)\text{F}_3 \cdot (\text{trans-C}_6\text{N}_2\text{H}_{16})$ with left- and right-handed helical chains

Liangliang Huang,^a Tianyou Song,^a Lirong Zhang,^a Yanli Chen,^a Jinhua Jiang,^a Jianing Xu^{*b} and Li Wang^{*a}

Received (in XXX, XXX) Xth XXXXXXXXXX 200X, Accepted Xth XXXXXXXXXX 200X

First published on the web Xth XXXXXXXXXX 200X

DOI: 10.1039/b000000x

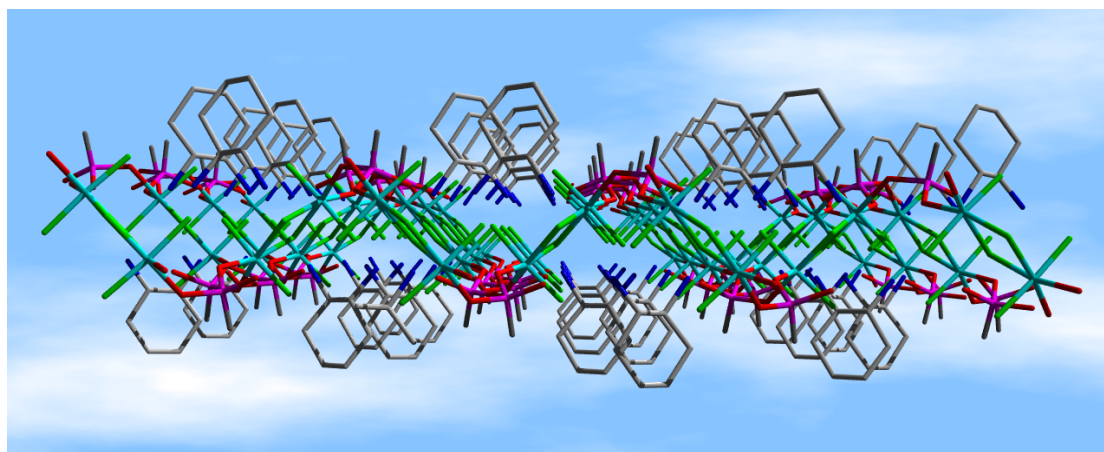


Fig. S1 The trans-DACH residing above and below the 2D layer of compound **1** view along [001] direction.

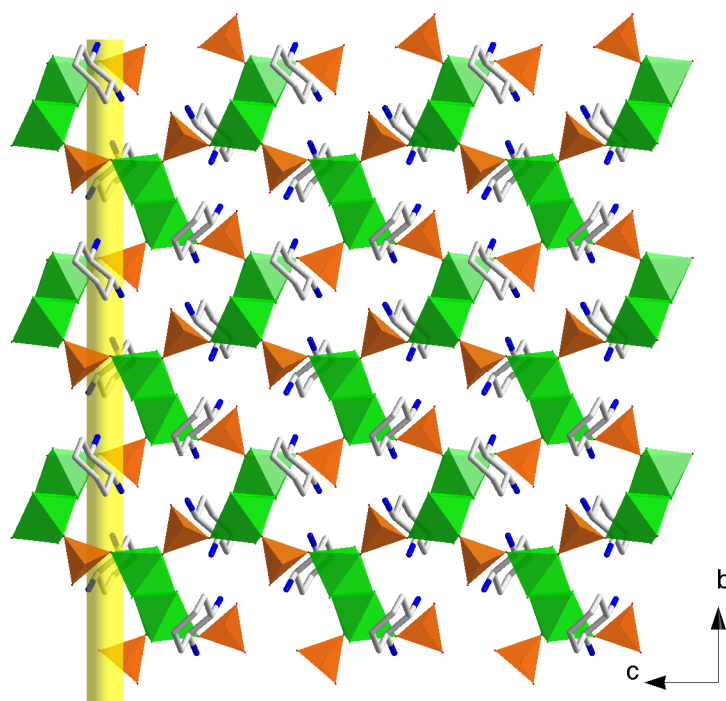


Fig. S2 Polyhedron view of the 2D layer structure showing the arrangement of the enantiomers of trans-DACH along the 2_1 screw axis.

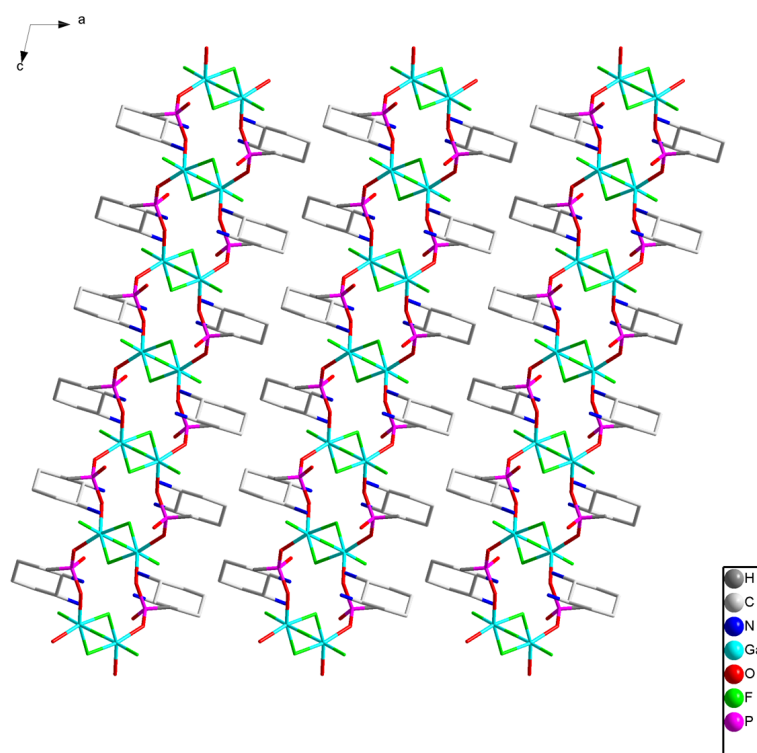


Fig. S3 Packing of the undulated layers of **1** viewed along the $[010]$ direction.