

Supplementary material

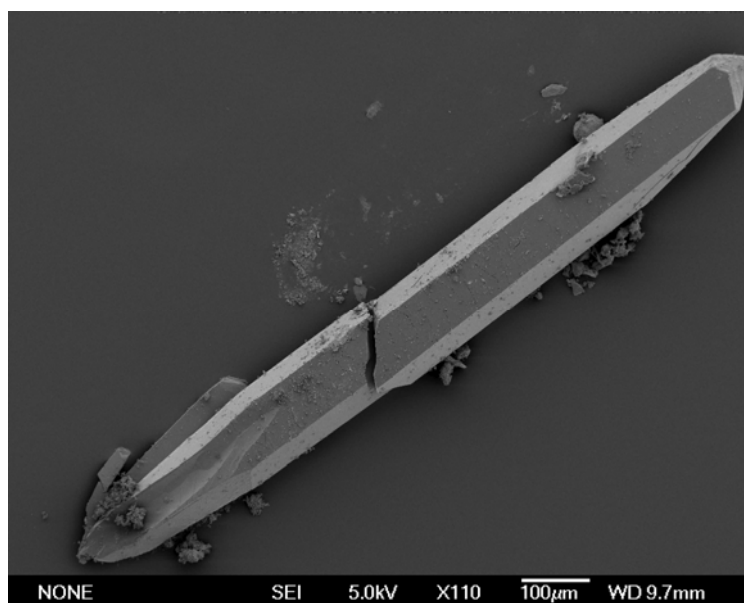


Figure S1. SEM micrograph of $\text{Ba}_3[\text{O}_3\text{PCH}_2\text{NH}_2\text{CH}_2\text{PO}_3]_2 \cdot 7\text{H}_2\text{O}$.

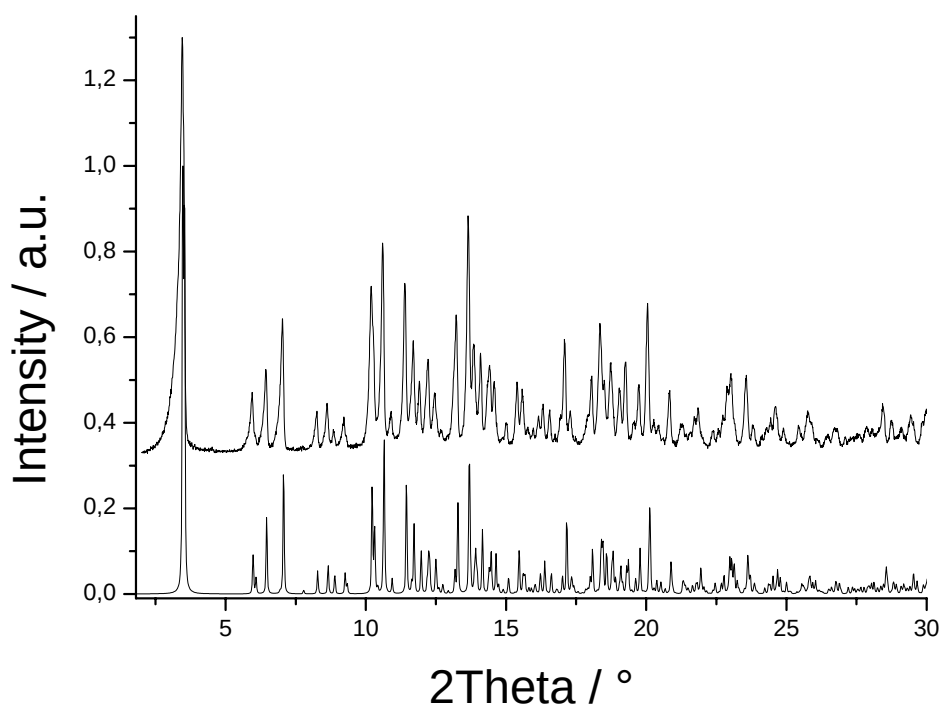


Figure S2. Measured (top) and calculated powder XRD pattern of $\text{Ba}_3[\text{O}_3\text{PCH}_2\text{NH}_2\text{CH}_2\text{PO}_3]_2 \cdot 7\text{H}_2\text{O}$.

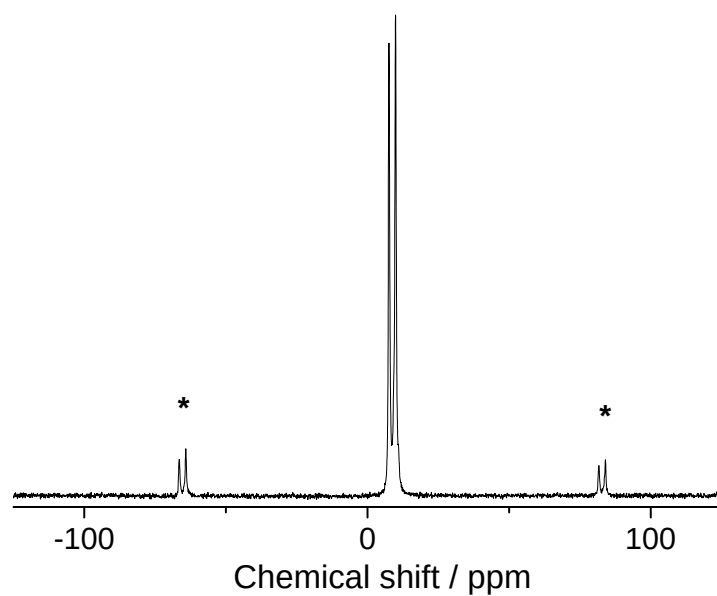


Figure S3. ^{31}P -MAS-NMR spectrum of $[\text{Ba}_3(\text{O}_3\text{PCH}_2\text{NH}_2\text{CH}_2\text{PO}_3)_2(\text{H}_2\text{O})]\cdot 6\text{H}_2\text{O}$. Signals marked by asterisks correspond to side bands.

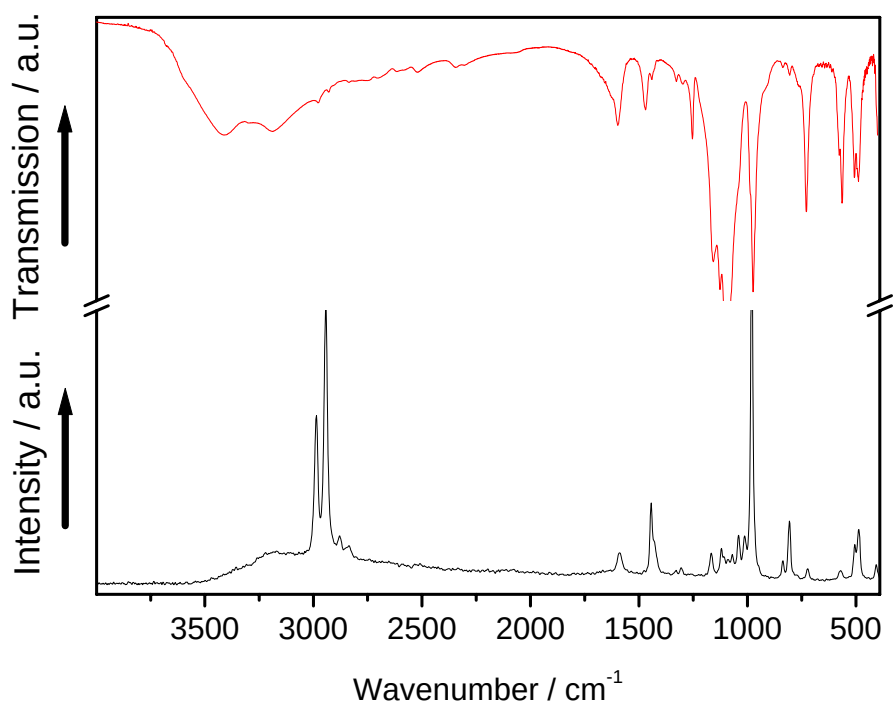


Figure S4. IR and Raman spectra of $[\text{Ba}_3(\text{O}_3\text{PCH}_2\text{NH}_2\text{CH}_2\text{PO}_3)_2(\text{H}_2\text{O})]\cdot 6\text{H}_2\text{O}$.

