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Pseudosinhalite is a structural isotype of chondrodite

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ABSTRACT

Pseudosinhalite, $\text{Mg}_2\text{Al}_3[\text{O}(\text{OH})(\text{BO}_4)_2]$ and chondrodite, $\text{Mg}_5[(\text{F},\text{OH})_2(\text{SiO}_4)_2]$ are shown to be isostructural. Compositional and crystallographic relationships between members of the forsterite-clinohumite polysomatic series and their borate isotypes are demonstrated.