

## Supporting Information

### Partial Double Bond Character in Chalcogen Compounds of Stanna-*closo*-dodecaborate

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Additional figures of the solid state of the heterocubane  $[K]_8[(OSnB_{11}H_{11})_4] \cdot (9H_2O)$  (**2**).

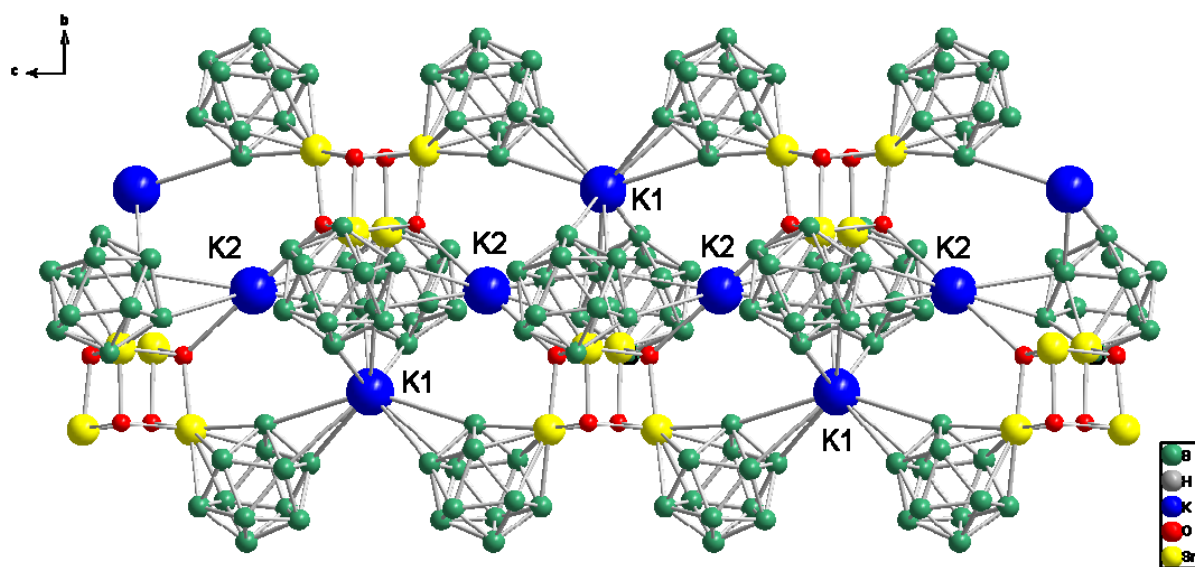


Figure 1. Chain structure. View along the axis *a*, hydrogen atoms have been omitted. Only the Potassium cations K1 and K2 are shown. K1 and K2 are coordinated at BH-units and K2 exhibits also coordination at one oxygen vertex of the heterocubane.

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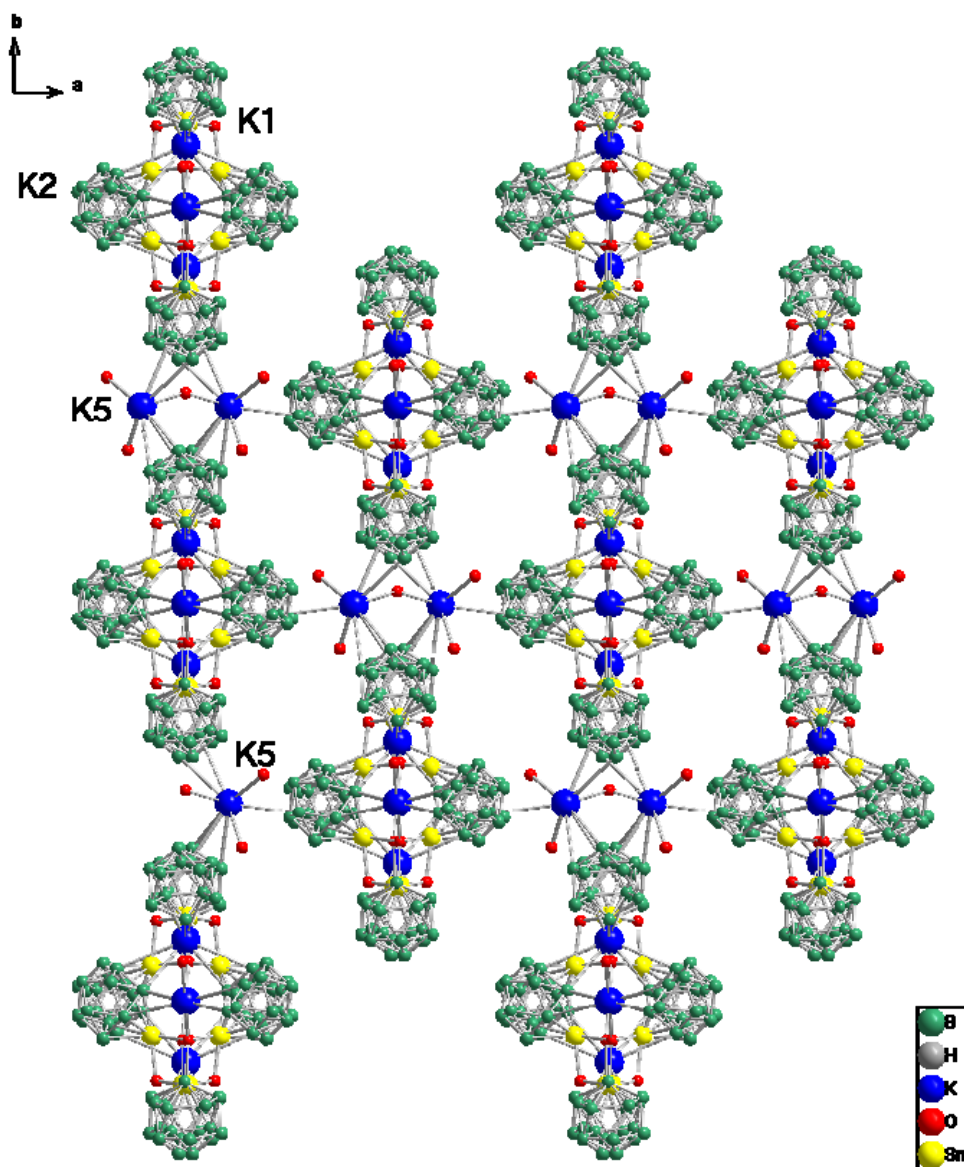


Figure 2. View along axis  $c$ . Coordination of K5 at three borane clusters resulting in a linkage between the chains. K5 shows also coordination to three water molecules. Hydrogen atoms have been omitted.