

Zur Kristallstruktur von Ho_2Se_3

On the Crystal Structure of Ho_2Se_3

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Holmium Sesquiselenide, Chemical Transport, Crystal Structure

Starting from HoSe_{2-x} powder and holmium metal bright brownish-yellow, plate-like single crystals of Ho_2Se_3 could be prepared by chemical transport with AlCl_3 . Holmium sesquiselenide crystallizes in the Sc_2S_3 -type structure, space group $Fddd$, with lattice constants $a = 1140,7(2)$, $b = 812,6(1)$ and $c = 2423,9(3)$ pm.

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