

substance: Tm_2S_3
property: crystal structure

$\delta\text{-Tm}_2\text{S}_3$

crystal structure monoclinic ($\text{C}_{2\text{h}}^2 - \text{P}2_1/\text{m}$)

lattice parameters

a	17.363(2) Å	color: yellow [75B]	68S
b	3.960(3) Å		
c	10.039(2) Å		
β	98.78(2)°		

$\sigma\text{-Tm}_2\text{S}_3$

crystal structure cubic (Tl_2O_3 -structure, $\text{T}_\text{h}^7 - \text{Ia}3$)

lattice parameter

a	10.51 Å	color: yellow	75B
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References:

- 68S Sleight, A. W., Prewitt, C. T.: Inorg. Chem. 7 (1968) 2282.
- 75B Bucher, E., Andres, K., di Salvo, F. J., Maita, J. P., Gossard, A. C., Cooper, A. S., Hull jr., G. W.: Phys. Rev. B 11 (1975) 500.