

property: crystal structure, physical properties

crystal structure

crystal structure: Fig. 1

color: yellow orange

68S

<i>a</i>	17.50(3) Å
<i>b</i>	4.002(5) Å
<i>c</i>	10.15(2) Å
β	99.4(2)°
<i>a</i>	17.452(2) Å
<i>b</i>	4.001(3) Å
<i>c</i>	10.128(2) Å
β	98.69(2)°

$$\sigma \quad 0.14 \cdot 10^{-6} \Omega^{-1} \text{ cm}^{-1}$$

68S

 E_A 0.5 eV

68S

energy gap

 E_g 0.7 eV

X-ray spectra

83S

References:

- 67W White, J. G., Yocom, P. N., Lerner, S.: Inorg. Chem. 6 (1967) 1872.
68S Sleight, A. W., Prewitt, C. T.: Inorg. Chem. 7 (1968) 2282.
83S Soldatov, A.V., Gusatinskii, A.N., Karin, M.G., Sidorin, K.K., Sadovskaya, O.A.: Inorg. Mater. 19 (1983) 951-954.

Fig. 1.

δ -Ho₂S₃. Crystal structure projected down the crystal b axis. Solid circles represent atoms in the plane $y = 1/4$, dashed circles those in the plane $y = 3/4$ [67W].

