

## Crystal structure of hexapotassium triarsenidate, $K_6InAs_3$

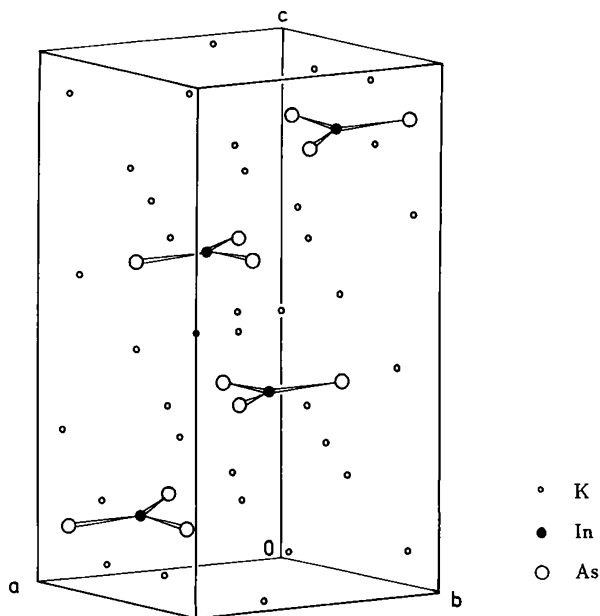
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Source of material: Synthesis from the elements at 870 K in sealed Nb-ampoules. The In atoms are slightly distorted trigonal planar coordinated by As atoms (In–As: 2.605(2) – 2.623(2) Å). The  $[InAs_3]^{6-}$  anion is isostructural to  $[BO_3]^{3-}$ .

Triclinic,  $P\bar{1}$  (No. 2),  $a = 9.130(2)$  Å,  $b = 9.112(2)$  Å,  $c = 19.609(5)$  Å,  $\alpha = 94.2(1)^\circ$ ,  $\beta = 94.5(1)^\circ$ ,  $\gamma = 119.9(1)^\circ$ ,  $V = 1398.6$  Å<sup>3</sup>,  $Z = 4$ ,  $R = 0.062$ .