$Cu_{10}Sb_3$	*hP*26	(176) $P6_3/m$ – h^4c

$Cu_{3.3}Sb$ ht [1]; $Au_{10}In_3$ hexagonal [2]
Structural features: Close-packed $Cu_{10}Sb_3$ layers in h stacking.

Günzel E., Schubert K. (1958) [1]
$Cu_{10}Sb_3$
$a = 0.992$, $c = 0.43197$ nm, $c/a = 0.435$, $V = 0.3681$ nm^3, $Z = 2$

site	Wyck.	sym.	*x*	*y*	*z*	occ.	atomic environment
Cu1	6*h*	*m*..	0.029	0.444	$^1/_4$		anticuboctahedron Cu_8Sb_4
Cu2	6*h*	*m*..	0.169	0.056	$^1/_4$		anticuboctahedron Cu_8Sb_4
Sb3	6*h*	*m*..	0.259	0.363	$^1/_4$		anticuboctahedron Cu_{12}
Cu4	6*h*	*m*..	0.505	0.294	$^1/_4$		anticuboctahedron Cu_9Sb_3
Cu5	2*c*	-6..	$^1/_3$	$^2/_3$	$^1/_4$		anticuboctahedron Cu_9Sb_3

Transformation from published data (*P*-3): origin shift 0 0 $^1/_2$
Experimental: powder, film, X-rays

Remarks: Phase stable at 533 < T < 633 K. The description in space group (147) *P*-3 in [1] does not take into consideration all symmetry elements of the proposed structure (see [3]); $Au_{10}In_3$ was reported in space group (176) $P6_3/m$. In table 3 of [1] the *z*-coordinate of former Cu_4 is misprinted as $^1/_4$ instead of $^3/_4$ (checked on interatomic distances).

References: [1] Günzel E., Schubert K. (1958), Z. Metallkd. 49, 124-133. [2] Jandali M.Z., Rajasekharan T., Schubert K. (1982), Z. Metallkd. 73, 463-467. [3] Cenzual K., Gelato L.M., Penzo M., Parthé E. (1991), Acta Crystallogr. B 47, 433-439.