$Au_2Co[CN]_4$	*hP*66	(180) $P6_222 - k^5f$

$Co[Au(CN)_2]_2$ [1]
Structural features: CoN_4 tetrahedra and C-Au-C linear units are interconnected via C-N bonds (cyanide units) to form three non-intersecting 3D-frameworks with approximately linear Co-N-C-Au-C-N-Co segments.

Abrahams S.C. et al. (1982) [1]
$Au_2C_4CoN_4$
a = 0.8434, c = 2.0695 nm, c/a = 2.454, V = 1.2749 nm^3, Z = 6

site	Wyck.	sym.	x	y	z	occ.	atomic environment
Au1	12*k*	1	0.0058	0.31633	0.2926		non-colinear C_2
C2	12*k*	1	0.1796	0.3976	0.11347		single atom N
N3	12*k*	1	0.2919	0.4319	0.14947		single atom C
C4	12*k*	1	0.3937	0.2035	0.02843		single atom N
N5	12*k*	1	0.4484	0.1589	0.06943		single atom C
Co6	6*f*	2..	$^1/_2$	0	0.1259		tetrahedron N_4

Transformation from published data ($P6_422$): new axes -a,-b,-c; origin shift 0 0 $^1/_2$
Experimental: single crystal, diffractometer, X-rays, R = 0.036, T = 298 K

References: [1] Abrahams S.C., Zyontz L.E., Bernstein J.L. (1982), J. Chem. Phys. 76, 5458-5462.