$Cd_3In_2[C_2O_4]_6[H_2O]_9$	*hP*153	(180) $P6_222 - k^9i^2gf^3dcb$

$Cd_3In_2(C_2O_4)_6 \cdot 9H_2O$ [1]
Structural features: InO_8 square antiprisms and planar $O_2C\text{-}CO_2$ (oxalate) units share atoms to form infinite zigzag chains, which are interconnected via CdO_8 and $Cd(O_4[OH_2]_4)$ polyhedra to form a 3D-framework; additional H_2O between the units.

Jeanneau E. et al. (2003) [1]
$C_{12}Cd_3H_{18.04}In_2O_{33.02}$
a = 0.8566, c = 3.7811 nm, c/a = 4.414, V = 2.4027 nm^3, Z = 3

site	Wyck.	sym.	x	y	z	occ.	atomic environment
O1	12*k*	1	0.1205	0.2897	0.1412		single atom C
O2	12*k*	1	0.2052	0.0355	0.12603		single atom C
$(OH_2)3$	12*k*	1	0.2111	0.5183	0.20513		single atom Cd
C4	12*k*	1	0.2261	0.3213	0.1162		coplanar triangle O_2C
O5	12*k*	1	0.2438	0.3099	0.02183		single atom C
C6	12*k*	1	0.2782	0.1775	0.1079		coplanar triangle O_2C
O7	12*k*	1	0.2951	0.4606	0.09723		single atom C
O8	12*k*	1	0.3916	0.2141	0.08373		single atom C
O9	12*k*	1	0.5785	0.3304	0.02143		single atom C
C10	6*i*	..2	0.1928	0.3856	0		coplanar triangle O_2C
C11	6*i*	..2	0.2952	0.5904	0		coplanar triangle O_2C
$(OH_2)12$	6*g*	.2.	0.244	0	0		single atom Cd
$(OH_2)13$	6*f*	2..	$^1/_2$	0	0.05743		single atom Cd
In14	6*f*	2..	$^1/_2$	0	0.27804		square antiprism O_8
$(OH_2)15$	6*f*	2..	$^1/_2$	0	0.38353	0.51	non-coplanar square C_4
Cd16	3*d*	222	$^1/_2$	0	$^1/_2$		square antiprism $(OH_2)_4O_4$
Cd17	3*c*	222	$^1/_2$	0	0		coplanar square $(OH_2)_4$
Cd18	3*b*	222	0	0	$^1/_2$		8-vertex polyhedron O_8

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

Remarks: Hydrogen atoms are not taken into consideration for Pearson symbol, Wyckoff sequence and atomic environments.

References: [1] Jeanneau E., Audebrand N., Louer D. (2003), J. Solid State Chem. 173, 387-394.