$W_8Sn_5O_{22}$	*hP*70	(176) $P6_3/m - i^4h^2f^2a$

$Sn_{10}W_{16}O_{44}$ [1]
Structural features: W_6O_{12} units (six edge-linked WO_5 square pyramids) share vertices with W_2O_9 units (two face-linked WO_6 octahedra) to form a 3D-framework. W_6 octahedral clusters and W_2 dumbbells.

Hibble S.J., McGrellis S.A. (1995) [1]
$O_{22}Sn_5W_8$
a = 0.76697, c = 1.86391 nm, c/a = 2.430, V = 0.9495 nm^3, Z = 2

site	Wyck.	sym.	x	y	z	occ.	atomic environment
W1	12*i*	1	0.0564	0.2238	0.0595		5-vertex polyhedron O_5
O2	12*i*	1	0.1175	0.4657	0.1248		non-colinear W_2
O3	12*i*	1	0.2379	0.1794	0.1223		non-colinear W_2
O4	12*i*	1	0.4165	0.1338	0.0032		non-coplanar triangle W_2Sn
O5	6*h*	*m*..	0.2972	0.4694	$^1/_4$		non-colinear W_2
Sn6	6*h*	*m*..	0.3164	0.1924	$^1/_4$		non-colinear O_2
W7	4*f*	3..	$^1/_3$	$^2/_3$	0.1716		octahedron O_6
Sn8	4*f*	3..	$^1/_3$	$^2/_3$	0.5708		non-coplanar triangle O_3
O9	2*a*	-6..	0	0	$^1/_4$		coplanar triangle Sn_3

Transformation from published data: *y*,*x*,-*z*; origin shift 0 0 $^1/_2$
Experimental: powder, diffractometer, neutrons, time-of-flight, wR_p = 0.081

Remarks: Contrary to [2] ($Sn_{10}W_{16}O_{46}$), no significant electron density was detected in Wyckoff position 2*b*.

References: [1] Hibble S.J., McGrellis S.A. (1995), J. Chem. Soc., Dalton Trans. 1995, 1947-1949. [2] Goreaud M., Labbé P., Raveau B. (1980), Acta Crystallogr. B 36, 15-19.