$Na_2Ta_2[P_2O_7]_3$	*hP*62	(176) $P6_3/m$ – i^4hfba

$Na_2Ta_2(P_2O_7)_3$ [1]
Structural features: TaO_6 octahedra and units of two vertex-linked PO_4 tetrahedra share vertices to form a 3D-framework; Na in channels parallel to [001] (columns of face-linked NaO_6 octahedra and trigonal prisms).

Murashova E.V., Chudinova N.N. (1994) [1]
$Na_2O_{21}P_6Ta_2$
$a = 0.9038$, $c = 1.263$ nm, $c/a = 1.397$, $V = 0.8935$ nm^3, $Z = 2$

site	Wyck.	sym.	*x*	*y*	*z*	occ.	atomic environment
O1	12*i*	1	0.1625	0.4837	0.1115		non-colinear PTa
O2	12*i*	1	0.212	0.0447	0.1264		single atom P
P3	12*i*	1	0.3605	0.0217	0.1344		tetrahedron O_4
O4	12*i*	1	0.5122	0.1427	0.0655		non-colinear PTa
O5	6*h*	*m*..	0.444	0.061	$^1/_4$		non-colinear P_2
Ta6	4*f*	3..	$^1/_3$	$^2/_3$	0.02469		octahedron O_6
Na7	2*b*	-3..	0	0	0		octahedron O_6
Na8	2*a*	-6..	0	0	$^1/_4$		trigonal prism O_6

Experimental: single crystal, diffractometer, X-rays, R = 0.038

References: [1] Murashova E.V., Chudinova N.N. (1994), Russ. J. Inorg. Chem. 39, 1517-1520 (Zh. Neorg. Khim. 39, 1587-1590).