ZrTaNO	*hP*4	(187) *P*-6*m*2 – edba

ZrTaNO [1]
Structural features: Close-packed Zr and Ta layers in h stacking; O in trigonal voids in Zr layers, N in trigonal voids in Ta layers. O(Zr_3Ta_2) trigonal bipyramids share vertices to form a 3D-framework; N in trigonal (Ta_3) voids.
Schönberg N. (1954) [1]
NOTaZr
a = 0.3645, c = 0.3881 nm, c/a = 1.065, V = 0.0447 nm^3, Z = 1

site	Wyck.	sym.	x	y	z	occ.	atomic environment
Zr1	1*e*	-6*m*2	$^2/_3$	$^1/_3$	0		coplanar triangle O_3
N2	1*d*	-6*m*2	$^1/_3$	$^2/_3$	$^1/_2$		coplanar triangle Ta_3
Ta3	1*b*	-6*m*2	0	0	$^1/_2$		trigonal bipyramid O_2N_3
O4	1*a*	-6*m*2	0	0	0		trigonal bipyramid Ta_2Zr_3

Transformation from published data: origin shift $^1/_3$ $^2/_3$ 0
Experimental: powder, film, X-rays

References: [1] Schönberg N. (1954), Acta Chem. Scand. 8, 627-629.