$CsPr_9NbBr_{15}N_6$	*hP*64	(176) $P6_3/m$ – i^4h^2ca

$CsPr_9NbBr_{15}N_6$ [1]
Structural features: Pr_9NbN_6 clusters (a central Nb atom surrounded by a N_6 trigonal prism and a Pr_6Pr_3 tricapped trigonal prism) in a Mg-type (h.c.p.) arrangement.

Lulei M., Corbett J.D. (1995) [1]
$Br_{15}CsN_6NbPr_9$
a = 1.207, c = 1.3801 nm, c/a = 1.143, V = 1.7412 nm^3, Z = 2

site	Wyck.	sym.	x	y	z	occ.	atomic environment
N1	12*i*	1	0.1849	0.557	0.149		tetrahedron $NbPr_3$
Br2	12*i*	1	0.25327	0.01634	0.09351		non-coplanar triangle Pr_3
Pr3	12*i*	1	0.27868	0.45803	0.0656		non-colinear N_2
Br4	12*i*	1	0.61454	0.1341	0.09136		non-coplanar triangle Pr_3
Pr5	6*h*	*m*..	0.02158	0.43659	$^1/_4$		non-colinear N_2
Br6	6*h*	*m*..	0.26303	0.32082	$^1/_4$		non-colinear Pr_2
Nb7	2*c*	-6..	$^1/_3$	$^2/_3$	$^1/_4$		trigonal prism N_6
Cs8	2*a*	-6..	0	0	$^1/_4$		tricapped trigonal prism Br_9

Transformation from published data: *y*,*x*,-*z*; origin shift 0 0 $^1/_2$
Experimental: single crystal, diffractometer, X-rays, R = 0.029, T = 296 K

References: [1] Lulei M., Corbett J.D. (1995), Angew. Chem. Int. Ed. Engl. 34, 2262-2264 (Angew. Chem. 107, 2463-2465).