$Hf_6(Ni_{0.76}Sb_{0.24})Sb_2$	*hP*12	(189) *P*-62*m* – ifda

$Hf_6Ni_{0.76}Sb_{2.24}$ [1]
Structural features: Infinite columns of base-linked $SbHf_6$ trigonal prisms share edges to form a 3D-framework; single columns of base-linked $(Ni,Sb)Hf_6$ trigonal prisms in channels parallel to [001]. Variant of β_1-K_2UF_6 with splitting of one of the Hf sites.

Kleinke H. (1998) [1]
$Hf_6Ni_{0.76}Sb_{2.24}$
a = 0.7605, c = 0.3724 nm, c/a = 0.490, V = 0.1865 nm^3, Z = 1

site	Wyck.	sym.	*x*	*y*	*z*	occ.	atomic environment
Hf1	6*i*	..*m*	0.2433	0	0.455	0.5	
Hf2	3*f*	*m*2*m*	0.5973	0	0		
Sb3	2*d*	-6..	$^1/_3$	$^2/_3$	$^1/_2$		
M4	1*a*	-62*m*	0	0	0		

M4 = 0.76Ni + 0.24Sb
Transformation from published data: -*x*,-*y*,-*z*
Experimental: single crystal, diffractometer, X-rays, R = 0.041, T = 295 K

Remarks: Homogeneity range $Hf_6Ni_{1-x}Sb_{2+x}$, $-0.25 < x < 0.24$. Short interatomic distances for partly occupied site(s). In table 3 of [1] the Wyckoff positions of former Hf2, Ni and Sb are misprinted as 3*g*, 1*b* and 2*c* instead of 6*i*, 1*a* and 2*d*, respectively.

References: [1] Kleinke H. (1998), J. Alloys Compd. 270, 136-141.