$W_{1.2}N$	*hP*6	(186) $P6_3mc$ – b^3

$W_{1.2}N$ [1]
Structural features: Close-packed W layers in BBCC stacking with disordered vacancies in every second layer; N in trigonal prismatic voids (stacking sequence BcB CbC). Vacancy derivative of 2H-MoS_2 antitype.

Khitrova V.I. (1964) [1]
$NW_{1.20}$
a = 0.289, c = 1.08 nm, c/a = 3.737, V = 0.0781 nm^3, Z = 2

site	Wyck.	sym.	x	y	z	occ.	atomic environment
W1	2*b*	3*m*.	$^1/_3$	$^2/_3$	0.0		non-coplanar triangle N_3
W2	2*b*	3*m*.	$^1/_3$	$^2/_3$	0.25	0.2	non-coplanar triangle N_3
N3	2*b*	3*m*.	$^1/_3$	$^2/_3$	0.625		trigonal prism W_6

Transformation from published data (*P*31*c*): origin shift 0 0 0.12500
Experimental: thin film, electron diffraction, R = 0.269

Remarks: Phase referred to as $\delta(IV)_H$. Idealized coordinates. The description in space group (159) *P*31*c* in [1] does not take into consideration all symmetry elements of the proposed structure; correct space group is (194) $P6_3/mmc$ if the two W sites have the same occupancy. A structure proposal for a phase with the same name and cell parameters but different composition ($W_{0.6}N$) had earlier been published by the same author in [2]. In [1] the Hermann-Mauguin symbol for the space group is misprinted as *P*3-1*c* instead of *P*31*c*, the *z*-coordinate of the N site as $^1/_4$ instead of $^3/_4$ and the chemical formula as $W_{2.2}N_2$ instead of $W_{2.4}N_2$ (from the description of the structure).

References: [1] Khitrova V.I. (1964), Sov. Phys. Crystallogr. 8, 701-703 (Kristallografiya 8, 873-876). [2] Khitrova V.I., Pinsker Z.G. (1962), Sov. Phys. Crystallogr. 6, 712-719 (Kristallografiya 6, 882-891).