

CsLi[NH₂]₂*hP*12(180) *P*6₂22 – jda**CsLi(NH₂)₂** [1]Structural features: Li(NH₂)₄ tetrahedra share edges to form infinite twisted chains parallel to [001].

Harbrecht B., Jacobs H. (1987) [1]

CsH₄LiN₂ $a = 0.6331$, $c = 0.841$ nm, $c/a = 1.328$, $V = 0.2919$ nm³, $Z = 3$

site	Wyck.	sym.	<i>x</i>	<i>y</i>	<i>z</i>	occ.	atomic environment
N1	6 <i>j</i>	..2	0.144	0.288	$\frac{1}{2}$		non-colinear Li ₂
Cs2	3 <i>d</i>	222	$\frac{1}{2}$	0	$\frac{1}{2}$		18-vertex polyhedron N ₁₀ Li ₄ Cs ₄
Li3	3 <i>a</i>	222	0	0	0		tetrahedron N ₄
H4	12 <i>k</i>	1	0.38	0.09	0.12733		

Experimental: single crystal, diffractometer, X-rays, R = 0.020

Remarks: Hydrogen atoms are not taken into consideration for Pearson symbol, Wyckoff sequence and atomic environments. In table 4 of [1] the Wyckoff position of former site N is misprinted as 6*i* instead of 6*j*.

References: [1] Harbrecht B., Jacobs H. (1987), Z. Anorg. Allg. Chem. 546, 48-54.