

**Table M24-ii-001.** Li(N<sub>2</sub>H<sub>5</sub>)BeF<sub>4</sub>. Crystal structure [73And]. Fractional coordinates and temperature parameters.  $U_{ij}$  [Å<sup>2</sup>] is defined by Eq. (d) in Introduction and given for non-hydrogen atoms.  $U$  is related with  $B$  in Eq. (e) in Introduction by  $U = B/(8\pi^2)$  and given for hydrogen atoms.

	x	y	z	$U$ or $U_{11}$	$U_{22}$	$U_{33}$	$U_{12}$	$U_{13}$	$U_{23}$
Li	0.322 (1)	0.436 (1)	0.251 (2)	0.019 (2)	0.023 (3)	0.021 (3)	-0.001 (2)	-0.004 (3)	-0.002 (3)
N (1)	0.0225 (4)	0.4116 (4)	0.7455	0.033 (2)	0.028 (2)	0.034 (2)	-0.007 (1)	0.000 (2)	0.004 (2)
N (2)	0.4422 (3)	0.2228 (4)	0.742 (1)	0.027 (1)	0.026 (1)	0.026 (2)	0.002 (1)	0.001 (2)	0.004 (2)
Be	0.1584 (4)	0.1270 (5)	0.248 (1)	0.015 (1)	0.020 (2)	0.016 (2)	-0.001 (1)	-0.002 (2)	-0.001 (2)
F (1)	0.1958 (2)	0.1051 (2)	0.540 (1)	0.035 (1)	0.025 (1)	0.018 (1)	-0.003 (1)	-0.004 (1)	0.002 (1)
F (2)	0.0002 (2)	0.1433 (3)	0.231 (1)	0.016 (1)	0.040 (1)	0.031 (1)	-0.003 (1)	-0.001 (1)	0.006 (1)
F (3)	0.2249 (2)	0.2701 (2)	0.141 (1)	0.029 (1)	0.023 (1)	0.026 (1)	-0.010 (1)	0.000 (1)	0.003 (1)
F (4)	0.2983 (2)	0.4881 (2)	0.591 (1)	0.036 (1)	0.025 (1)	0.022 (1)	-0.006 (1)	0.004 (1)	-0.008 (1)
H (1)	0.097 (6)	0.389 (6)	0.803 (17)	0.049 (19)					
H (2)	0.011 (5)	0.463 (5)	0.598 (11)	0.013 (12)					
H (3)	0.362 (4)	0.192 (5)	0.690 (12)	0.018 (13)					
H (4)	0.450 (7)	0.259 (8)	0.908 (15)	0.033 (20)					
H (5)	0.472 (6)	0.296 (7)	0.614 (16)	0.025 (19)					

M24  $\text{Li}(\text{N}_2\text{H}_5)\text{SO}_4$  group

**Table M24-ii-002.**  $\text{Li}(\text{N}_2\text{H}_5)\text{BeF}_4$ . Refractive indices at RT [77Zys].

$\lambda$ [nm]	468	480	509	546	577	644	1060
$n_a$	1.4061	1.404	1.4023	1.4011	1.3999	1.3985	1.3962
$n_b$	1.4114	1.4099	1.4077	1.4064	1.4054	1.4038	1.4005
$n_c$	1.4101	1.4085	1.4068	1.4053	1.4042	1.4027	1.3983

**Table M24-ii-003.**  $\text{Li}(\text{N}_2\text{H}_5)\text{BeF}_4$ . Birefringence at RT, differently determined from values in Table M24-ii-002 [77Zys].

$\lambda$ [nm]	468.0	546.1	589.3	656.3
$n_a-n_c$	$-3.31 \cdot 10^{-3}$	$-3.29 \cdot 10^{-3}$	$-3.28 \cdot 10^{-3}$	$-3.28 \cdot 10^{-3}$
$n_b-n_c$	$1.9 \cdot 10^{-3}$	$0.7 \cdot 10^{-3}$	$0.9 \cdot 10^{-3}$	$1 \cdot 10^{-3}$