

No. M24-ii Li(N₂H₅)BeF₄, Lithium hydrazinium fluoroberyllate
(*M* = 125.00)

1a	Dielectric behavior similar to that of Li(N ₂ H ₅)SO ₄ was observed in Li(N ₂ H ₅)BeF ₄ by Palau and Lassabatère in 1971.	71Pal
b	Crystal system: orthorhombic at RT.	71Ted
	Space group: Pna2 ₁ –C _{2v} ⁹ at RT.	71Ted
	$\rho = 1.87 \cdot 10^3 \text{ kg m}^{-3}$.	77Zys
	Colorless.	77Zys
2a	Crystal growth: evaporation from an aqueous solution of (N ₂ H ₆)BeF ₄ and LiCO ₃ .	71Ted
3a	Unit cell parameters: $a = 9.811(4) \text{ \AA}$, $b = 8.880(8) \text{ \AA}$, $c = 5.139(4) \text{ \AA}$ at RT.	73And
b	$Z = 4$.	73And
	Crystal structure: Table M24-ii-001.	
	The crystal structure was also determined by neutron diffraction.	75And
5a	Dielectric constant: Fig. M24-ii-001.	
9a	Refractive indices: Table M24-ii-002.	
	Birefringence: Table M24-ii-003.	
e	Nonlinear optical susceptibilities: $d_{31}/d_{11}^{\text{quartz}} = 0.2$, $d_{32}/d_{11}^{\text{quartz}} = 0.5$, $d_{33}/d_{11}^{\text{quartz}} = 1$ for $\lambda = 1060 \text{ nm}$ at RT.	77Zys
11	Electrical conductivity: see	71Pal
	For discussion on hysteresis loop, see	77Pal