

# [Lithium nitrate lino3 structure](https://assignbuster.com/lithium-nitrate-lino3-structure/)

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* Safety:

|  |  |
| --- | --- |
| Molecular Formula  | LiNO 3  |
| Average mass  | 68. 946 Da  |
| Density  |  |
| Boiling Point  |  |
| Flash Point  |  |
| Molar Refractivity  |  |
| Polarizability  |  |
| Surface Tension  |  |
| Molar Volume  |  |

* Experimental data
* Predicted – ACD/Labs
* Predicted – ChemAxon
* Experimental Physico-chemical Properties

## Experimental Melting Point:

|  |
| --- |
| 264 °CAlfa Aesar  |
| 264 °COxford University Chemical Safety Data (No longer updated)More details  |
| 264 °CAlfa Aesar10742, 10985, 13405, 44456  |
| 251 °CLabNetworkLN00198682  |

## Experimental Boiling Point:

|  |
| --- |
| 600 °C (Decomposes)Alfa Aesar  |
| 600 °C (Decomposes)Alfa Aesar10742, 10985, 13405, 44456  |

## Experimental Gravity:

|  |
| --- |
| 2. 38 g/mLAlfa Aesar10742, 10985, 13405, 44456  |

## Experimental Solubility:

|  |
| --- |
| Soluble in water, alcohol, NH4OH, and pyridineAlfa Aesar13405  |

* Miscellaneous

## Appearance:

|  |
| --- |
| white crystalsOxford University Chemical Safety Data (No longer updated)More details  |

## Stability:

|  |
| --- |
| Stable. Incompatible with reducing agents, strong acids, organic materials, finely powdered metals. Oxidizer. Oxford University Chemical Safety Data (No longer updated)More details  |

## Safety:

|  |
| --- |
| 22-26-36/37/39Alfa Aesar10742, 10985, 13405, 44456  |
| 8-36/37/38Alfa Aesar10742, 10985, 13405, 44456  |
| DANGER: OXIDIZER, causes GI injury, skin and eye irritationAlfa Aesar10742, 10985, 13405, 44456  |
| Safety glasses, gloves, adequate ventilation. Oxford University Chemical Safety Data (No longer updated)More details  |

Predicted data is generated using the ACD/Labs Percepta Platform – PhysChem Module

No predicted properties have been calculated for this compound.

|  |  |
| --- | --- |
| Density:  |  |
| Boiling Point:  |  |
| Vapour Pressure:  |  |
| Enthalpy of Vaporization:  |  |
| Flash Point:  |  |
| Index of Refraction:  |  |
| Molar Refractivity:  |  |
| #H bond acceptors:  |  |
| #H bond donors:  |  |
| #Freely Rotating Bonds:  |  |
| #Rule of 5 Violations:  |  |

|  |  |
| --- | --- |
| ACD/LogP:  |  |
| ACD/LogD (pH 5. 5):  |  |
| ACD/BCF (pH 5. 5):  |  |
| ACD/KOC (pH 5. 5):  |  |
| ACD/LogD (pH 7. 4):  |  |
| ACD/BCF (pH 7. 4):  |  |
| ACD/KOC (pH 7. 4):  |  |
| Polar Surface Area:  |  |
| Polarizability:  |  |
| Surface Tension:  |  |
| Molar Volume:  |  |

Click to predict properties on the Chemicalize site