

# [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| 264 °COxford University Chemical Safety Data (No longer updated)More details |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| white crystalsOxford University Chemical Safety Data (No longer updated)More details |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 Oxford University Chemical Safety Data (No longer updated)More details |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 Oxford University Chemical Safety Data (No longer updated)More details |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