

# [Dilithium sulfide li2s structure](https://assignbuster.com/dilithium-sulfide-li2s-structure/)

Contents

* Safety:

|  |  |
| --- | --- |
| Molecular Formula | Li 2 S |
| Average mass | 45. 947 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:

|  |
| --- |
| 900-975 °CAlfa Aesar |
| 900-975 °CAlfa Aesar12839 |

## Experimental Gravity:

|  |
| --- |
| 1. 66 g/mLAlfa Aesar12839 |

* Miscellaneous

## Safety:

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| --- |
| 11-14-31-36/37/38Alfa Aesar12839 |
| 26-30-37Alfa Aesar12839 |
| DANGER: FLAMMABLE, WATER REACTIVE, irritates skin & eyes. Alfa Aesar12839 |
| DANGER: Water reactive, flammable, burns skin and eyesAlfa Aesar12839 |

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