

# [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:

|  |
| --- |
| 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