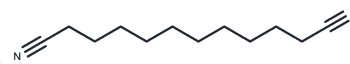


## Dodecanedinitrile

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 4543-66-2   |
| Formula:          | C <sub>12</sub> H <sub>20</sub> N <sub>2</sub>  |
| Molecular Weight: | 192.30  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |  |
|---------------|--|
| Description   | Dodecanedinitrile is a bioactive chemical. |
| Targets(IC50) | Others                                     |

## Solubility Information

|            |   |
|------------|---|
| Solubility | DMSO: Soluble,<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 5.2002 mL | 26.001 mL | 52.0021 mL |
| 5 mM  | 1.040 mL  | 5.2002 mL | 10.4004 mL |
| 10 mM | 0.520 mL  | 2.6001 mL | 5.2002 mL  |
| 50 mM | 0.104 mL  | 0.520 mL  | 1.040 mL   |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Carlucci L, Ciani G, Proserpio DM, Rizzato S. Three novel interpenetrating diamondoid networks from self-assembly of 1,12-dodecanedinitrile with silver(I) salts. Chemistry. 2002 Apr 2;8(7):1520-7. PubMed PMID: 11921236.

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