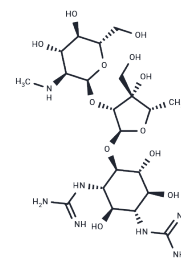


## Dihydrostreptomycin

### Chemical Properties

|                   |                                                                |
|-------------------|----------------------------------------------------------------|
| CAS No. :         | 128-46-1                                                       |
| Formula:          | C <sub>21</sub> H <sub>41</sub> N <sub>7</sub> O <sub>12</sub> |
| Molecular Weight: | 583.59                                                         |
| Appearance:       | no data available                                              |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year       |



### Biological Description

|             |                                       |
|-------------|---------------------------------------|
| Description | Dihydrostreptomycin is an antibiotic. |
|-------------|---------------------------------------|

### 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  | 1.7135 mL | 8.5677 mL | 17.1353 mL |
| 5 mM  | 0.3427 mL | 1.7135 mL | 3.4271 mL  |
| 10 mM | 0.1714 mL | 0.8568 mL | 1.7135 mL  |
| 50 mM | 0.0343 mL | 0.1714 mL | 0.3427 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.

### Reference

Wray R, Iscla I, Gao Y, Li H, Wang J, Blount P. Dihydrostreptomycin Directly Binds to, Modulates, and Passes through the MscL Channel Pore. PLoS Biol. 2016 Jun 9;14(6):e1002473. doi: 10.1371/journal.pbio.1002473. eCollection 2016

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