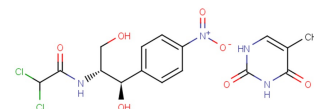


## Data Sheet (Cat.No.T11842)

Levomecol

### Chemical Properties

|                   |   |
|-------------------|---|
| CAS No.:          | 118573-58-3   |
| Formula:          | C <sub>16</sub> H <sub>18</sub> Cl <sub>2</sub> N <sub>4</sub> O <sub>7</sub> |
| Molecular Weight: | 449.24  |
| Appearance:       | N/A   |
| Storage:          | 0-4°C for short term (days to weeks), or -20°C for long term (months).        |



### Biological Description

|                            |  |
|----------------------------|--|
| Description                | Levomecol (Chloramphenicol)) stops bacterial growth by binding to the bacterial ribosome (blocking peptidyl transferase) and inhibiting protein synthesis. Levomecol (Chloramphenicol), made up of Chloramphenicol, Methyluracil, is a broad-spectrum antibiotic that is derived from the bacterium <i>Streptomyces venezuelae</i> . |
| Targets(IC <sub>50</sub> ) | Peptidyl transferase: None   |

### Solubility Information

|            |   |
|------------|---|
| Solubility | < 1 mg/ml refers to the product slightly soluble or insoluble |
|------------|---|

#### Preparing Stock Solutions

|       | 1mg      | 5mg      | 10mg     |
|-------|----------|----------|----------|
| 1 mM  | 2.226 mL | 11.13 mL | 22.26 mL |
| 5 mM  | 0.445 mL | 2.226 mL | 4.452 mL |
| 10 mM | 0.223 mL | 1.113 mL | 2.226 mL |
| 50 mM | 0.045 mL | 0.223 mL | 0.445 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### Reference

1. Chloramphenicol

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

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