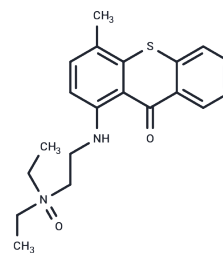


## Lucanthone N-oxide

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 5615-06-5   |
| Formula:          | C <sub>20</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub> S   |
| Molecular Weight: | 356.48  |
| 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   | Lucanthone N-oxide is a bioactive chemical. |
| Targets(IC50) | Others,DNA/RNA Synthesis                    |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 2.8052 mL | 14.026 mL | 28.0521 mL |
| 5 mM  | 0.561 mL  | 2.8052 mL | 5.6104 mL  |
| 10 mM | 0.2805 mL | 1.4026 mL | 2.8052 mL  |
| 50 mM | 0.0561 mL | 0.2805 mL | 0.561 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

- Pica-Mattocchia L, Cioli D. Lack of correlation between schistosomicidal and anticholinergic properties of hycanthone and related drugs. *J Parasitol.* 1986 Aug;72(4):531-9. PubMed PMID: 3783347.
- Kramers PG. Mutagenicity of hycanthone in *Drosophila*: additional results and a comparison with some analogs. *Mutat Res.* 1981 Jun;82(1):111-23. PubMed PMID: 6790976.
- Cook TM, Goldman CK. Hycanthone and its congeners as bacterial mutagens. *J Bacteriol.* 1975 May;122(2):549-56. PubMed PMID: 1092656; PubMed Central PMCID: PMC246090.

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