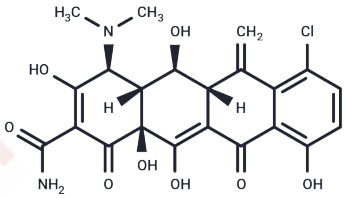
# Data Sheet (Cat.No.T71903)

TargetMol

## Meclocycline

### Chemical Properties



CAS No. : 2013-58-3

Formula: C22H21ClN2O8

Molecular Weight: 476.86

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

### Biological Description

| | |
|---|---|
| Description | Meclocycline is a tetracycline antibiotic with broad antimicrobial activity. Meclocycline inhibits lactate dehydrogenase (LDH) release and cell toxicity induced by expression of htt-N63-148Q, a mutant form of the huntingtin gene, without altering htt-N63-148Q protein levels in PC12 cells. |
| Targets(IC50) | Others,Antibacterial,Antibiotic |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.0971 mL | 10.4853 mL | 20.9705 mL |
| 5 mM | 0.4194 mL | 2.0971 mL | 4.1941 mL |
| 10 mM | 0.2097 mL | 1.0485 mL | 2.0971 mL |
| 50 mM | 0.0419 mL | 0.2097 mL | 0.4194 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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