

## Tetracycline hydrochloride

Catalog No: #S0912

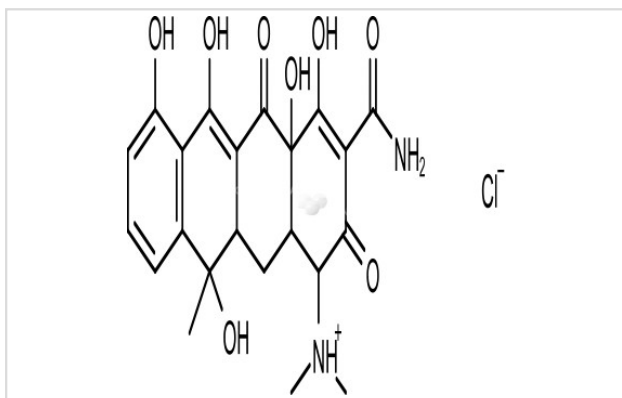
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## Description

Product Name	Tetracycline hydrochloride
Brief Description	Inhibitors
Purification	99.43%
Target Name	ribosome
Calculated MW	480.9
Formulation	C <sub>22</sub> H <sub>24</sub> N <sub>2</sub> O <sub>8</sub> HCl
Storage	3 years -20°C powder; 2 years -80°C in solvent;

## Images



## Product Description

## Research

Area: Immunology SMILES: C[C@@]1([C@H]2C[C@H]3[C@@H](C(=O)C(=C([C@]3(C(=O)C2=C(C4=C1C=CC=C4O)O)O)C(=O)N)N(C)C)O.Cl Pathways: Microbiology & virology Receptor: 30S ribosome Boiling pt: 799.4°C Melting pt: 220-223°C Solubility: Water: 96 mg/mL warmed (199.62 mM); DMSO: 96 mg/mL warmed (199.62 mM) Appearance: Yellow Powder Remark: For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20 °C for several months.

## References

1. Buck MA, Cooperman BS. Biochemistry. 1990 Jun 5;29(22):5374-9.

Note: This product is for in vitro research use only