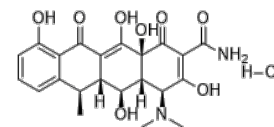


**Product Name** : Doxycycline hydrochloride  
**Cat. No.** : PC-23169  
**CAS No.** : 10592-13-9  
**Molecular Formula** : C<sub>22</sub>H<sub>25</sub>ClN<sub>2</sub>O<sub>8</sub>  
**Molecular Weight** : 480.90  
**Target** : Matrix Metalloproteinase (MMP)  
**Solubility** : 10 mM in DMSO



## Biological Activity

Doxycycline hydrochloride is an orally active and broad-spectrum metalloproteinase (MMP) inhibitor, also is the orthoflaviviral NS2B-NS3 protease inhibitor, shows antiviral and anti-cancer cell proliferation activities.

## References

Eusebio Manchado, et al. Nature. 2016 Jun 30;534(7609):647-51.

Chong Teoh T., et al. Molecules. 2021;26:4321.

Le Zhang, et al. Cell Cycle. 2017 Apr 18;16(8):737-745.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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