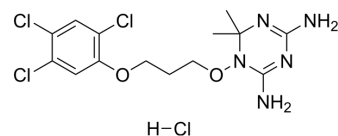


## WR99210 hydrochloride

Cat. No.:	HY-116387A
CAS No.:	30711-93-4
Molecular Formula:	C <sub>14</sub> H <sub>19</sub> Cl <sub>4</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	431.14
Target:	Dihydrofolate reductase (DHFR); Parasite
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	WR99210 hydrochloride is an orally active and low-toxicity dihydrofolate reductase (DHFR) inhibitor (IC <sub>50</sub> <0.075 nM). WR99210 hydrochloride shows good antiparasitic activity and is effective against <i>P. falciparum</i> and <i>P. falciparum</i> strains as well as <i>T. gondii</i> <sup>[1][2][3]</sup> .
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### CUSTOMER VALIDATION

- PLoS Biol. 2022 May; 20(5): e3001616.
- Microbiol Spectr. 2023 May 30;e0143423.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

- [1]. Mui EJ, et al. Triazine Inhibits *Toxoplasma gondii* tachyzoites in vitro and in vivo. *Antimicrob Agents Chemother.* 2005 Aug;49(8):3463-7.
- [2]. Hastings MD, et al. Pyrimethamine and WR99210 exert opposing selection on dihydrofolate reductase from *Plasmodium vivax*. *Proc Natl Acad Sci U S A.* 2002 Oct 1;99(20):13137-41.
- [3]. Kiara SM, et al. In vitro activity of antifolate and polymorphism in dihydrofolate reductase of *Plasmodium falciparum* isolates from the Kenyan coast: emergence of parasites with Ile-164-Leu mutation. *Antimicrob Agents Chemother.* 2009 Sep;53(9):3793-8.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA