



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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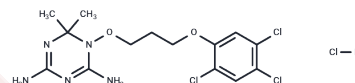
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TargetMọi

Chemical Properties

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Description	WR99210 hydrochloride is a potent inhibitor of Plasmodium falciparum dihydrofolate reductase (pfDHFR), which is a major malarial drug target. It has subnanomolar potency for the wild type, double mutant and quadruple mutant dihydrofolate reductases.
Targets(IC50)	Others
In vitro	When tested in vitro against drug-resistant clones of P. falciparum, PS-15 was more active than proguanil, and the putative metabolite, WR99210, was more active than the proguanil metabolite cycloguanil[1].
In vivo	QR992210 is more active as well as less toxic than proguanil when administered orally to mice infected with P. berghei. When administered orally to Aotus monkeys infected with multidrug-resistant P. falciparum, PS-15 was more active than either proguanil or WR99210[1].

Solubility	DMSO: 55 mg/ml (127.57 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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	1mg	5mg	10mg
1 mM	2.3194 mL	11.5972 mL	23.1943 mL
5 mM	0.4639 mL	2.3194 mL	4.6389 mL
10 mM	0.2319 mL	1.1597 mL	2.3194 mL
50 mM	0.0464 mL	0.2319 mL	0.4639 mL

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Reference

Canfield C J , Milhous W K , Ager A L , et al. PS-15: a potent, orally active antimalarial from a new class of folic acid antagonists.[J]. American Journal of Tropical Medicine & Hygiene, 1993, 49(1):121.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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