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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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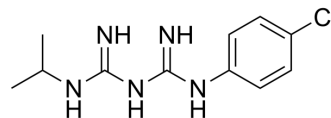
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Proguanil (Standard)

Cat. No.:	HY-B0806R
CAS No.:	500-92-5
Molecular Formula:	C ₁₁ H ₁₆ ClN ₅
Molecular Weight:	253.73
Target:	Parasite; Antifolate
Pathway:	Anti-infection; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Proguanil (Standard) is the analytical standard of Proguanil. This product is intended for research and analytical applications. Proguanil, an antimalarial proagent, is metabolized to the active metabolite Cycloguanil (HY-12784). Proguanil is a dihydrofolate reductase (DHFR) inhibitor^{[1][2]}.

REFERENCES

- [1]. Pudney M, et al. Atovaquone and proguanil hydrochloride: a review of nonclinical studies. *J Travel Med.* 1999 May;6 Suppl 1:S8-12.
- [2]. Srivastava IK, et al. A mechanism for the synergistic antimalarial action of atovaquone and proguanil. *Antimicrob Agents Chemother.* 1999 Jun;43(6):1334-9.
- [3]. Lochner M, et al. The antimalarial drug proguanil is an antagonist at 5-HT₃ receptors. *J Pharmacol Exp Ther.* 2014 Dec;351(3):674-84.
- [4]. Stephen AO, et al. Prolonged administration of proguanil induces reproductive toxicity in male rats. *J Toxicol Sci.* 2011 Oct;36(5):587-99.
- [5]. Iguchi A, et al. The in vitro interactions and in vivo efficacy of atovaquone and proguanil against *Babesia gibsoni* infection in dogs. *Vet Parasitol.* 2013 Nov 8;197(3-4):527-33.

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

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