

Product Datasheet

Cycloguanil hydrochloride (orb1301804)

Catalog Number	orb1301804
Category	Small Molecules
Description	Cycloguanil hydrochloride is the active metabolite of the antimalarial proguanil, functioning as a potent dihydrofolate reductase inhibitor with selectivity for the Plasmodium enzyme. It is widely used in antimalarial research for both in vitro enzymatic assays and in vivo efficacy studies in animal models of malaria.
Target	Drug Metabolite,Parasite
Purity	98.72% (May vary between batches)
MW	288.18
Target Areas	Parasite Drug Metabolite
Solubility (25°C)	10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (6.94 mM);DMSO:20 mg/mL (69.4 mM);H2O:5 mg/mL (17.35 mM)
CAS Number	152-53-4
Formula	C ₁₁ H ₁₄ ClN ₅ ·ClH
SMILES	Cl.CC1(C)N=C(N)N=C(N)N1c1ccc(Cl)cc1
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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