

Product Name	: Cycloguanil hydrochloride
Synonyms	: Chloroguanide Triazine
Cat No.	: M20150
CAS Number	: 152-53-4
Molecular Formula	: C ₁₁ H ₁₄ ClN ₅ ClH
Formula Weight	: 288.18
Chemical Name	: —
Description	: Cycloguanil is an active metabolite of the antimalarial compound proguanil. It acts as an inhibitor of dihydrofolate reductase (K _i s: 0.3 and 1.5 nM for Plasmodium and human forms respectively).
Pathway	: Microbiology/Virology
Target	: Parasite
Receptor	: Parasite
Solubility	: DMSO: 20 mg/mL (69.4 mM); Water: 5 mg/mL (17.35 mM)
SMILES	: Cl.CC1(C)N=C(N)N=C(N)N1c1ccc(Cl)cc1
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Wright JD et al. The role of S-mephenytoin hydroxylase (CYP2C19) in the metabolism of the antimalarial biguanides. Br J Clin Pharmacol. 1995 Apr;39(4):441-4.