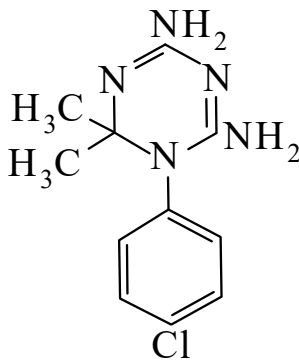




>>Entry Name: Cycloguanil

Synonym(s): 1-(4-Chlorophenyl)-1,6-dihydro-6,6-dimethyl-1,3,5-triazine-2,4-diamine, 9Cl. 4,6-Diamino-1-(*p*-chlorophenyl)-1,2-dihydro-2,2-dimethyl-*s*-triazine, 8Cl. TCl. Chlorguanide triazine



CAS Registry Number: 516-21-2

Molecular Formula: C₁₁H₁₄ClN₅

Molecular Weight: 251.718

Accurate Mass: 251.093772

Percentage Composition: C 52.49%; H 5.61%; Cl 14.08%; N 27.82%

Metabolism: Active metabolite of Proguanil [DDS10-O](#)

Biological Use/Importance: Plasmodial dihydrofolate reductase inhibitor. Antimalarial agent

Physical Description: Prisms (CHCl₃/Et₂O)

Melting Point: Mp 146°

Calculated Log P Data: Log P 0.85 (calc)

Hazard & Toxicity: LD₅₀ (rat, ipr) 98 mg/kg Exp. fetotoxic

>>Derivative: Hydrochloride

CAS Registry Number: 152-53-4

Physical Description: Prisms (H₂O)

Melting Point: Mp 210-215°

Hazard & Toxicity: LD₅₀ (mus, ipr) 54 mg/kg

Rare Chemicals Library: S39250-2

>>Derivative: 4,4'-Methylenebis(3-hydroxy-2-naphthoate) salt (2:1)

Synonym(s): Cycloguanil embonate, BAN, INN. Cycloguanil pamoate, USAN. Chloroguanide Triazine Pamoate. Camolar. Chlorazin (Soviet). Cycloplasin. CI 501. CN 14329-23A. D 20. NSC 77830. PAM-MR 807-23a

CAS Registry Number: 609-78-9

Physical Description: Yellow cryst.

Melting Point: Mp 231-234°

Solubility: V. sl. sol. H₂O

Hazard & Toxicity: LD₅₀ (rat, ipr) 331 mg/kg

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