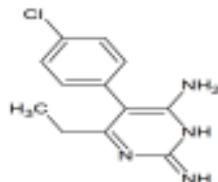


Pyrimethamine

ALTERNATE NAME: 5,4-chlorophenyl-6-ethyl-2,4-pyrimidinediamine
NSC3061
Darapram

CATALOG #: B3264-10 10 mg
B3264-50 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₂H₁₃ClN₄

MOLECULAR WEIGHT: 248.71

CAS NUMBER: 58-14-0

APPEARANCE: White to off-white solid

PURITY: ≥98%

SOLUBILITY: ~10 mg/ml DMSO

DESCRIPTION: Pyrimethamine is an antiprotozoal agent that inhibits the protozoal enzyme dihydrofolate reductase (DHFR). By blocking DHFR activity, pyrimethamine prevents the production of tetrahydrofolic acid, an essential coenzyme involved in DNA and RNA synthesis. In in vivo antimalarial mouse models, pyrimethamine displays a prophylactic effect at an ED₅₀ value of 0.5 mg/kg.

STORAGE TEMPERATURE: -20°C. Protect from light

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Dihydrofolate Reductase Inhibitor Screening Kit (Colorimetric) (K247)
Pemetrexed (B1862)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*