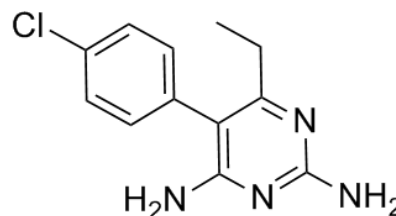


**Product Name** : Pyrimethamine  
**Cat. No.** : PC-45409  
**CAS No.** : 58-14-0  
**Molecular Formula** : C<sub>12</sub>H<sub>13</sub>ClN<sub>4</sub>  
**Molecular Weight** : 248.7114  
**Target** : Parasite  
**Solubility** : 10 mM in DMSO



## Biological Activity

A synthetic derivative of ethyl-pyrimidine with potent antimalarial properties; interferes with the regeneration of tetrahydrofolic acid from dihydrofolate by competitively inhibiting DHFR; has also been found to reduce the expression of SOD1.

Parasite Infection  
Approved

## References

Lange DJ, et al. Amyotroph Lateral Scler Frontotemporal Degener. 2013 Apr;14(3):199-204.

Wright PD, et al. Neurosci Lett. 2010 Oct 4;482(3):188-92.

Martins-Duarte ÉS, et al. Exp Parasitol. 2013 Mar;133(3):294-9.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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