

# Atovaquone

## Catalog No: tcsc2702



### Available Sizes

**Size:** 10mg

**Size:** 50mg



### Specifications

**CAS No:**  
95233-18-4

**Formula:**  
 $C_{22}H_{19}ClO_3$

**Pathway:**  
Anti-infection

**Target:**  
Parasite

**Purity / Grade:**  
>98%

**Solubility:**  
H2O :

**Alternative Names:**  
Atavaquone

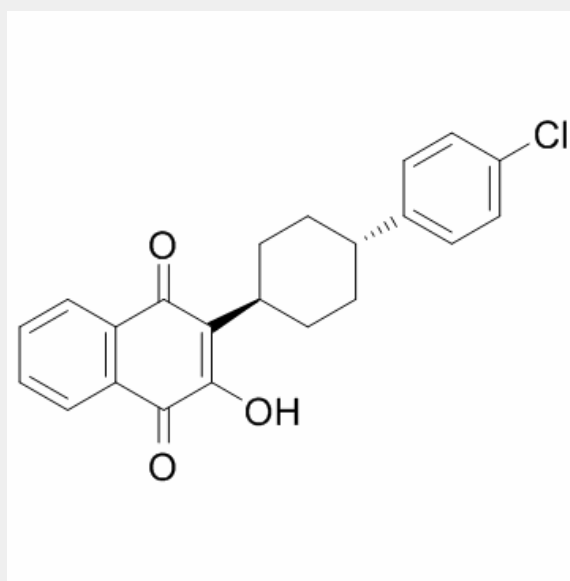
**Observed Molecular Weight:**  
366.84

### Product Description

Atovaquone is a medication used to treat or prevent for pneumocystis pneumonia, toxoplasmosis, malaria, and babesia.

Target: Antiparasitic

Atovaquone (atavaquone) is a chemical compound that belongs to the class of naphthalenes. Atovaquone is a hydroxy-1,4-naphthoquinone, an analog of ubiquinone, with antipneumocystic activity [1]. Atovaquone is an anti-protozoal mitochondrial electron transport inhibitor; Antimalarial; Antipneumocystic, and has also been used to treat toxoplasmosis. It acts by inhibiting the cytochrome bc(1) complex via interactions with the Rieske iron-sulfur protein and cytochrome b in the ubiquinol oxidation pocket [2]. Atovaquone is a unique naphthoquinone with broad-spectrum antiprotozoal activity. It is effective for the treatment and prevention of *Pneumocystis carinii* pneumonia (PCP), it is effective in combination with proguanil for the treatment and prevention of malaria, and it is effective in combination with azithromycin for the treatment of babesiosis [3].



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