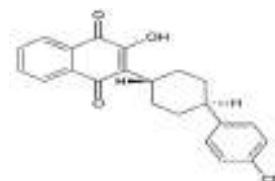


# Atovaquone

**ALTERNATE NAME:** BW 556C-80  
Mepron  
BW 566C  
trans-2-[4-(4-Chlorophenyl)cyclohexyl]-3-hydroxy-1,4-naphthalenedione

**CATALOG #:** B2640-10 10 mg  
B2640-50 50 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>22</sub>H<sub>19</sub>ClO<sub>3</sub>

**MOLECULAR WEIGHT:** 366.84

**CAS NUMBER:** 95233-18-4

**APPEARANCE:** Orange solid

**PURITY:** ≥98% by HPLC

**SOLUBILITY:** >7 mg/ml DMSO

**DESCRIPTION:** Atovaquone is a broad-spectrum antiprotozoal agent that is active against Plasmodium, Toxoplasma, and Babesia, among other protozoa. It inhibits complex III activity on dihydroorotate in isolated P. falciparum and P. yoelii mitochondria more potently than in rat liver mitochondria (EC<sub>50</sub>s = 0.95, 0.94, and 510 nM, respectively) and depolarizes the mitochondrial membrane in P. yoelii-infected mouse erythrocytes (EC<sub>50</sub> = 260 nM). Atovaquone also inhibits transport mediated by human breast cancer resistance protein (BCRP) and P-glycoprotein in membrane vesicles (IC<sub>50</sub>s = 0.23 and 6.8 μM, respectively).

**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:**

Brequinar sodium (B2637)  
DSM265 (B2639)

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