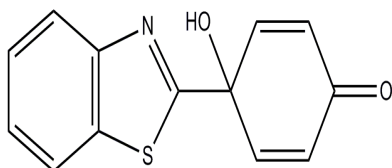


**PRODUCT: Quinol 2****ALTERNATE NAME:** 4-Benothiazol-2-yl-4-hydroxy-cyclohexa-2,5-dienone**CATALOG #:** 2437-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>13</sub>H<sub>9</sub>FNO<sub>2</sub>S**MOLECULAR WEIGHT:** 243.29**CAS No.** N/A**APPEARANCE:** Crystalline solid**Solubility:** DMSO**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C.

**DESCRIPTION:** A potent and selective antitumor agent that displays potent activity against renal, colon, and breast cancer cell lines in the NCI 60-cell panel. Shows potent antitumor activity in HCT 116 and HT 29 human colon as well as MCF 7 and MDA 468 human breast cancer cell lines. Also displays in vivo antitumor activity against human RXF 944XL renal xenografts in nude NMRI mice. Inhibits thioredoxin reductase with potencies correlated with their antiproliferative and cytotoxic efficacies.

**REFERENCES:** Wells, G., *et al.* (2003). *J. Med. Chem.* **46**, 532-541.

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

**RELATED PRODUCTS:**

Quinol 1h (Cat. No. 2436-5, 25)

Thioredoxin Reductase 1 (19A1) Monoclonal Antibody (Cat. No. 6164-100)

Thioredoxin Reductase 2 (7B2) Monoclonal Antibody (Cat. No. 6165-100)

Thioredoxin 1 (3A1) Monoclonal Antibody (Cat. No. 6166-100)

Thioredoxin Reductase Assay kit (Cat. No. K763-100)

Thioredoxin 1, human recombinant (Cat. No. 6305-100)

Thioredoxin 2, human recombinant (Cat. No. 6318-100)

Thioredoxin 1, recombinant E. coli (Cat. No. 6329-50)

TRXB, recombinant E. coli (Cat. No. 6331-100)

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**USAGE:** FOR RESEARCH USE ONLY! Not to be used in humans.