

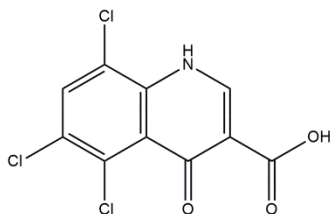
# CK2 inhibitor

10/19

**ALTERNATE NAME:** 5,6,8-Trichloro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid

**CATALOG #:** B2920-5 5 mg  
B2920-25 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>10</sub>H<sub>4</sub>Cl<sub>3</sub>NO<sub>3</sub>

**MOLECULAR WEIGHT:** 292.5

**CAS NUMBER:** 302553-01-1

**APPEARANCE:** Solid

**PURITY:** ≥95%

**SOLUBILITY:** Soluble in DMSO

**DESCRIPTION:** CK2 inhibitor is a 3-carboxy-4(1H)-quinolone which selectively inhibits casein kinase 2 (CK2) with an IC<sub>50</sub> value of 0.3 μM. It competitively inhibits binding of ATP with a K<sub>i</sub> value of 0.06 μM.

**STORAGE TEMPERATURE:** -20°C

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

**REFERENCE:** Golub A,G., Yakovenko, O.Y., Bdzhola V,G., et al. Evaluation of 3-carboxy-4(1H)-quinolones as inhibitors of human protein kinase CK2. J Med Chem. 49(22):6443-50 (2006).

**RELATED PRODUCTS:**

CX-4945 (Cat. No. 2459)  
CAY10577 (Cat. No. B2904)  
D4476 (Cat. No. 1770)  
TTP-22 (Cat. No. B2565)  
Ellagic Acid (Cat. No. B1154)

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