

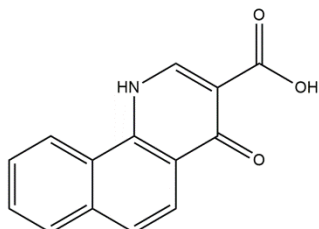
# NSC 210902

09/19

**ALTERNATE NAMES:** 4-oxo-1,4-dihydrobenzo[h]quinoline-3-carboxylic acid; 4-hydroxybenzo[h]quinoline-3-carboxylic acid; 4-oxo-1H-benzo[h]quinoline-3-carboxylic acid; 1,4-dihydro-4-oxo-benzo[h]quinoline-3-carboxylic acid

**CATALOG #:** B2910-1 1 mg  
B2910-5 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>14</sub>H<sub>9</sub>NO<sub>3</sub>

**MOLECULAR WEIGHT:** 239.23

**CAS NUMBER:** 51726-83-1

**APPEARANCE:** A crystalline solid

**PURITY:** >95%

**SOLUBILITY:** ~0.1 mg/ml in DMF and DMSO

**DESCRIPTION:** NSC 210902 inhibits casein kinase 2 (CK2) with an IC<sub>50</sub> value of 1 μM. It competitively inhibits binding of ATP with a K<sub>i</sub> value of 0.28 μM. It minimally inhibits protein kinases JNK3, GSK3, Cdk5, MSK1 and displays selectivity for CK2.

**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. Journal of Medicinal Chemistry 49, 6443-6450 (2006).

**RELATED PRODUCTS:**

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

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