

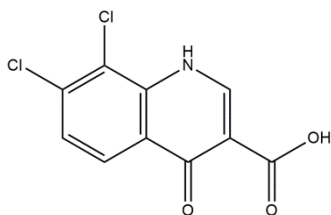
CAY10577

09/19

ALTERNATE NAMES: 7,8-dichloro-4-oxo-1H-quinoline-3-carboxylic acid; 7,8-dichloro-4-oxo-1,4-dihydroquinoline-3-carboxylic acid; 7,8-dichloro-4-hydroxyquinoline-3-carboxylic acid

CATALOG #: B2904-1 1 mg
B2904-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₀H₅Cl₂NO₃

MOLECULAR WEIGHT: 258.06

CAS NUMBER: 300675-28-9, 144061-33-6

APPEARANCE: A crystalline solid

PURITY: ≥95%

SOLUBILITY: ~0.15 mg/ml in DMSO
~0.5 mg/ml in DMF

DESCRIPTION: CAY10577 is an inhibitor of Casein kinase 2 (CK2) with an IC₅₀ value of 0.8 μM. CK2 is a serine/threonine-selective protein kinase which is implicated in the development of some cancers, viral infections and inflammatory failures.

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:

TTP-22 (Cat. No. B2565)
Apigenin (Cat. No. 2508)
Ellagic Acid (Cat. No. B1154)
D4476 (Cat. No. 1770)
CX-4945 (Cat. No. 2459)

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