

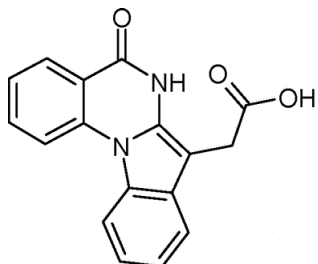
IQA

11/19

ALTERNATE NAMES: 5,6-Dihydro-5-oxo-indolo[1,2-a]quinazoline-7-acetic acid; 2-(5-Oxo-7H-indolo[1,2-a]quinazolin-7-yl)acetic acid; Casein Kinase II Inhibitor IX; CGP029482

CATALOG #: B2939-5 5 mg
B2939-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₇H₁₂N₂O₃

MOLECULAR WEIGHT: 292.29

CAS NUMBER: 391670-48-7

APPEARANCE: Solid

PURITY: 95%

SOLUBILITY: 10 mg/ml in DMSO

DESCRIPTION: IQA is an indoloquinazoline derivative that acts as a selective and reversible casein kinase (CK2) inhibitor with an IC₅₀ of 390 nM with 100 μM ATP. It inhibits CK2 in an ATP- and GTP-competitive manner (K_i is 0.17 and 0.21 μM, respectively). It induces apoptosis in different tumor derived cell lines.

STORAGE TEMPERATURE: -20°C. Store in the dark. Product is light sensitive.

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

REFERENCES:

1. Sarno, S., Ruzzene, M., Frascella, P., et al. Development and exploitation of CK2 inhibitors. Mol Cell Biochem. 274(1-2):69-76 (2005).
2. Vangrevelinghe, E., Zimmermann, K., Schoepfer, J., et al. Discovery of a potent and selective protein kinase CK2 inhibitor by high-throughput docking. J Med Chem. 46(13):2656-62 (2003).

RELATED PRODUCTS:

CAY10577 (Cat. No. B2904)
CK2 inhibitor (Cat. No. B2920)
TTP-22 (Cat. No. B2565)
NSC 210902 (Cat. No. B2910)
PF-670462 (Cat. No. B2271)

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