
Product Data Sheet

Product Name: CGP 74514 dihydrochloride

Cat. No.: GC50175

Chemical Properties

Cas. No.

SMILES CCN2C1=NC(N[C@@H]4CCCC[C@@H]4N)=NC(NC3=CC(Cl)=CC=C3)=C1N=C2.Cl.Cl

Formula $C_{19}H_{24}ClN_7 \cdot 2HCl$ M.Wt 458.82

Solubility Soluble in DMSO Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Potent cdk1 inhibitor ($IC_{50} = 25$ nM). Reduces Akt phosphorylation and increases mitochondrial damage in leukemia cells in vitro in combination with LY 294002.

Yu et al (2013) The lethal effects of pharmacological cyclin-dependent kinase inhibitors in human leukemia cells proceed through a phosphatidylinositol 3-kinase/Akt-dependent process. Cancer Res. 63 1822 PMID:12702569 |Furet et al (2000) Structure-based design of potent CDK1 inhibitors derived from olomoucine. J.Comput.Aided Mol.Des. 14 403 PMID:10896313

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA