

Product Name : CGP-74514A hydrochloride

Synonyms : CGP74514A

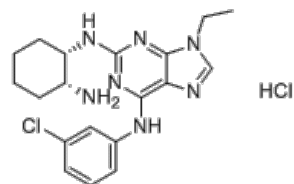
Cat No. : M14612

CAS Number : 481724-82-7

Molecular Formula : C₁₉H₂₄ClN₇ · HCl

Formula Weight : 422.35

Chemical Name : N²-((1S,2R)-2-aminocyclohexyl)-N⁶-(3-chlorophenyl)-9-ethyl-9H-purine-2,6-diamine hydrochloride



Description : CGP-74514A hydrochloride is a potent CDK1 inhibitor with IC₅₀ of 25 nM; induces caspase-9 activation and PARP degradation, mediates apoptosis in U937 cells; increases p21(CIP1) expression, p27(KIP1) degradation, diminished E2F1 expression, and dephosphorylation of p34(CDC2).

Pathway : Angiogenesis

Target : CDK

Receptor : CDK

Solubility : —

SMILES : CCN1C=NC2=C(NC3=CC=CC(Cl)=C3)N=C(N[C@H]4[C@@H](N)CCCC4)N=C12.[H]Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Dai Y, et al. Cell Cycle. 2002 Mar-Apr;1(2):143-52. 2. Yu C, et al. Cancer Res. 2003 Apr 15;63(8):1822-33. 3. Dai X, et al. Cell Cycle. 2012 Aug 15;11(16):3079-86.