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DATASHEET

CGP 74514A

Product overview

Name	CGP 74514A
Cat No	HB0186
Biological action	Inhibitor
Description	Selective CDK1 inhibitor

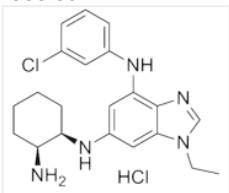
Biological Data

Biological description	Selective CDK1 inhibitor. Shows anti-tumor activity, induces apoptosis and mitochondrial damage.
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Solubility & Handling

Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.
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Chemical Data

Chemical name	2-N-(2-aminocyclohexyl)-6-N-(3-chlorophenyl)-9-ethylpurine-2,6-diamine
Molecular Weight	385.89
Chemical structure	
Molecular Formula	C ₁₉ H ₂₄ ClN ₇
CAS Number	1173021-98-1
PubChem identifier	4644095
SMILES	CCN1C=NC2=C1N=C(N=C2NC3=CC(=CC=C3)Cl)NC4CCCCC4N

References

Induction of apoptosis in human leukemia cells by the CDK1 inhibitor CGP74514A.

Dai Y *et al* (2002) Cell Cycle 1(2)

PubMedID [12429924](#)

The cytotoxic effect of emetine and CGP-74514A studied with the hollow fiber model and ArrayScan assay in neuroendocrine tumors in vitro.

Larsson DE *et al* (2012) Anticancer Agents Med Chem 12(7)

PubMedID [22263790](#)

CDK1 differentially regulates G-overhang generation at leading- and lagging-strand telomeres in telomerase-negative cells in

G2 phase.

Dai X *et al* (2012) Cell Cycle 11(16)

PubMedID [22871736](#)
