

Product Datasheet

CDK2-IN-73

Catalog No. **BP-01966** · CAS **2079895-42-2** · Form **free base** · Physical state **solid** · Color **White to yellow** · Version **1.0** ·
Revision **2026-09-09**

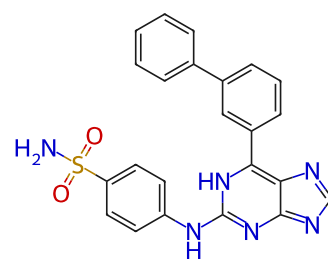
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Target CDK	Research area Cancer
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Molecular formula **C₂₃H₁₈N₆O₂S**

Molecular weight **442.4930**

STRUCTURE



DESCRIPTION

CDK2-IN-4 is a potent and selective CDK2 inhibitor with an IC₅₀ of 44 nM for CDK2/cyclin A.

BIOLOGICAL ACTIVITY

In Vitro

CDK2-IN-4 (compound 73) demonstrates appreciable nanomolar potency versus CDK2 in isolated kinase assays, the maximal concentration tested in cellular assays (30 μM) had no or limited effects on the growth of cells.

SOLUBILITY

Soluble in DMSO

REFERENCES

[1]. Coxon CR, et al. Cyclin-Dependent Kinase (CDK) Inhibitors: Structure-Activity Relationships and Insights into the CDK-2 Selectivity of 6-Substituted 2-Arylamino purines. J Med Chem. 2017 Mar 9;60(5):1746-1767.

Tel: +86 20 31130026 · Fax: +86 20 36822386 · tech@biochemprobe.com · www.biochemprobe.com

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