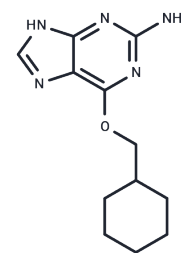


NU2058

Chemical Properties

CAS No. : 161058-83-9
 Formula: C₁₂H₁₇N₅O
 Molecular Weight: 247.3
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	NU2058 (O(6)-Cyclohexylmethylguanine) is a guanine-based CDK inhibitor, also inhibits DNA topoisomerase II ATPase activity.
Targets(IC50)	CDK,Topoisomerase

Solubility Information

Solubility	DMSO: 60 mg/mL (242.62 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0437 mL	20.2184 mL	40.4367 mL
5 mM	0.8087 mL	4.0437 mL	8.0873 mL
10 mM	0.4044 mL	2.0218 mL	4.0437 mL
50 mM	0.0809 mL	0.4044 mL	0.8087 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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 Lin Z R, Xia T L, Wang M Y, et al.Inactivation of TACC2 epigenetically represses CDKN1A and confers sensitivity to CDK inhibitors.Med.2025
 Jensen LH, et al. Y Res. 2005 Aug 15;65(16):7470-7.
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 Arris CE, et al. J Med Chem. 2000 Jul 27;43(15):2797-804.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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