NG 52

Catalog No.C11989 Batch:C1198903

Product Datasheet

Technical Data

Formula	$C_{16}H_{19}ClN_6O$		
Molecular Weight	346.81	**CAS No.**	212779-48-1
Solubility (25°C)*	In vitro	DMSO	70 mg/mL (201.83 mM)
		Ethanol	70 mg/mL (201.83 mM)
		Water	Insoluble

* <1 mg/ml means slightly soluble or insoluble.
* Please note that Capsid Bio tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight batch-to-batch variations.
* Room temperature shipping (Stability testing shows this product can be shipped at 2-8°C for storage purposes.)

Preparing Stock Solutions

Concentration \ Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.8834 mL	14.4171 mL	28.8342 mL
5 mM	0.5767 mL	2.8834 mL	5.7668 mL
10 mM	0.2883 mL	1.4417 mL	2.8834 mL
50 mM	0.0577 mL	0.2883 mL	0.5767 mL

Biological Activity

Description	NG-52 is a tri-substituted purine that binds to the ATP-binding site of yeast cyclin-dependent kinases, inhibiting Cdc28p and Pho85p with IC50s of 7 and 2 μM, respectively.
Targets	Pho85p [1] (Cell-free assay) | Cdc28p [1] (Cell-free assay)
	2 μM | 7 μM

References

https://pubmed.ncbi.nlm.nih.gov/9677190/

RETURN POLICY

Capsid Bio's Unconditional Return Policy ensures a smooth online shopping experience for our customers. If you are in any way unsatisfied with your purchase, you may return any item(s) within 7 days of receiving it. In the event of product quality issues, either protocol related or product related problems, you may return any item(s) within 365 days from the original purchase date. Please follow the instructions below when returning products.

SHIPPING & STORAGE

Capsid Bio products are transported at room temperature. If you receive the product at room temperature, please rest assured, the Capsid Bio Quality Inspection Department has conducted experiments to verify that the normal temperature placement of one month will not affect the biological activity of powder products. After collecting, please store the product according to the requirements described in the datasheet. Most Capsid Bio products are stable under the recommended conditions.

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EU Headquarters
Gajeva ulica 28, HR-10000 Zagreb, Croatia

US Headquarters
12222 Merit Dr STE 130 Dallas, Texas, 75251

UK Headquarters
121 ABILITY HOUSE, BROOKER ROAD, EN9 1JH, ESSEX

Orders: Sales@capsidbio.com
Enquiries: info@capsidbio.com
www.capsidbio.com