

DG1

## Chemical Properties

CAS No. :

Formula: C19H17N5O5S

Molecular Weight: 427.43

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	DG1 (Compound 8Nc), a Thymidylate Synthase (TS) inhibitor, impedes angiogenesis and alters metabolic reprogramming in NSCLC cells, while effectively suppressing the expression of CD26, ET-1, FGF-1, and EGF. Additionally, it notably inhibits cancer tissue proliferation in the A549 xenograft mouse model [1].
Targets(IC50)	Others,DNA/RNA Synthesis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3396 mL	11.6978 mL	23.3956 mL
5 mM	0.4679 mL	2.3396 mL	4.6791 mL
10 mM	0.234 mL	1.1698 mL	2.3396 mL
50 mM	0.0468 mL	0.234 mL	0.4679 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.

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