

NSC 641396

Chemical Properties

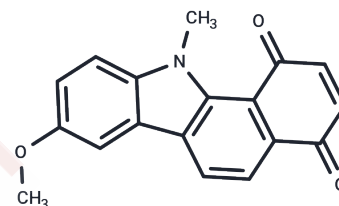
CAS No. : 605685-94-7

Formula: C₁₈H₁₃NO₃

Molecular Weight: 291.301

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	NSC 641396 is a ribonucleotide reductase (RNR) inhibitor with an IC ₅₀ value of 1.2 μM. Additionally, it acts as an inhibitor of protein arginine N-methyltransferase 9 (PRMT9) and exhibits antitumor properties.
Targets(IC ₅₀)	Histone Methyltransferase, DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4329 mL	17.1644 mL	34.3289 mL
5 mM	0.6866 mL	3.4329 mL	6.8658 mL
10 mM	0.3433 mL	1.7164 mL	3.4329 mL
50 mM	0.0687 mL	0.3433 mL	0.6866 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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