

D-G23

## Chemical Properties

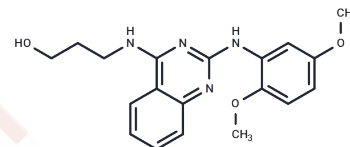
CAS No. : 1225141-73-0

Formula: C<sub>19</sub>H<sub>22</sub>N<sub>4</sub>O<sub>3</sub>

Molecular Weight: 354.403

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	D-G23 is a selective RAD52 inhibitor. It disrupts RAD52-mediated DNA repair pathways and suppresses the growth of cancer cells deficient in BRCA1 and BRCA2. D-G23 shows promise for research into homologous recombination-related cancers caused by BRCA1/2 mutations, such as hereditary breast and ovarian cancers.
Targets(IC50)	DNA/RNA Synthesis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8217 mL	14.1084 mL	28.2167 mL
5 mM	0.5643 mL	2.8217 mL	5.6433 mL
10 mM	0.2822 mL	1.4108 mL	2.8217 mL
50 mM	0.0564 mL	0.2822 mL	0.5643 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**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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