

DB722

Chemical Properties

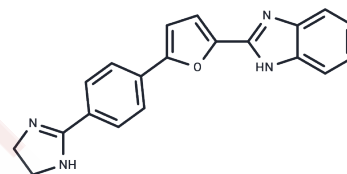
CAS No. : 433735-90-1

Formula: C₂₀H₁₆N₄O

Molecular Weight: 328.37

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	DB722 is a furamide analogues with DNA binding activity. DB722 shows antiproliferative activity.
Targets(IC50)	Anti-infection,Others
In vitro	DB722 inhibits B16 cell growth with IC50 of 8.6µM[1].

Solubility Information

Solubility	DMSO: 55 mg/mL (167.49 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	3.0453 mL	15.2267 mL	30.4535 mL
5 mM	0.6091 mL	3.0453 mL	6.0907 mL
10 mM	0.3045 mL	1.5227 mL	3.0453 mL
50 mM	0.0609 mL	0.3045 mL	0.6091 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

Lansiaux A, et al. Distribution of furamide analogues in tumor cells: influence of the number of positive charges. J Med Chem. 2002 May 9;45(10):1994-2002.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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