

MMs02943764

Chemical Properties

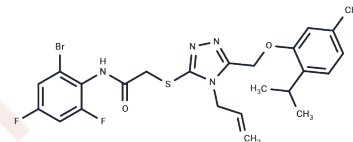
CAS No. : 708287-29-0

Formula: C₂₄H₂₅BrF₂N₄O₂S

Molecular Weight: 551.45

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	MMs02943764, a derivative of 1,2,4-triazole, exhibits anticancer activity. This compound demonstrates significant antiproliferative effects across various cancer cell lines. Its structural analog, PAC, shows notable cytotoxicity towards the leukemia cell line K562 (IC ₅₀ =35.264 μM), functioning by inhibiting Mdm2 and Pirh2 to reduce degradation of p53 and consequently inducing cell cycle arrest in K562 cells.
Targets(IC ₅₀)	MDM-2/p53

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8134 mL	9.067 mL	18.134 mL
5 mM	0.3627 mL	1.8134 mL	3.6268 mL
10 mM	0.1813 mL	0.9067 mL	1.8134 mL
50 mM	0.0363 mL	0.1813 mL	0.3627 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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