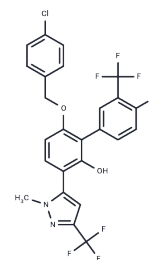


MYCi975

Chemical Properties

CAS No. :	2289691-01-4
Formula:	C ₂₅ H ₁₆ Cl ₂ F ₆ N ₂ O ₂
Molecular Weight:	561.3
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	MYCi975 (NUCC-0200975) is an orally active MYC inhibitor.
Targets(IC50)	c-Myc
In vitro	MYCi975 inhibits P493-6, MV411, SK-N-B2 cells viability in an MYC-dependent manner (IC50s of 3.7, 3.9, 6.4 μM, respectively)[1].
In vivo	The initial lead, MYC inhibitor 361 (MYCi361), suppressed in vivo tumor growth in mice, increased tumor immune cell infiltration, upregulated PD-L1 on tumors, and sensitized tumors to anti-PD1 immunotherapy. However, 361 demonstrated a narrow therapeutic index. An improved analog, MYCi975 showed better tolerability.

Solubility Information

Solubility	DMSO: 247.5 mg/mL (440.94 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	1.7816 mL	8.9079 mL	17.8158 mL
5 mM	0.3563 mL	1.7816 mL	3.5632 mL
10 mM	0.1782 mL	0.8908 mL	1.7816 mL
50 mM	0.0356 mL	0.1782 mL	0.3563 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

Han H, et al. Small-Molecule MYC Inhibitors Suppress Tumor Growth and Enhance Immunotherapy. Cancer Cell. 2019 Nov 11;36(5):483-497.e15.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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