

Product Name	: MYCi975
Synonyms	: NUCC-0200975
Cat No.	: M22558
CAS Number	: 2289691-01-4
Molecular Formula	: C ₂₅ H ₁₆ Cl ₂ F ₆ N ₂ O ₂
Formula Weight	: 561.3
Chemical Name	: —
Description	MYCi975 is an orally active inhibitor of MYC. MYCi975 inhibits P493-6, MV411, SK-N-B2 cells viability in an MYC-dependent manner (IC ₅₀ s of 3.7, 3.9, 6.4 μM, respectively)[1]. 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.?
Pathway	: Cell Cycle/DNA Damage
Target	: c-Myc
Receptor	: MYC
Solubility	: DMSO: 247 mg/mL (440.05mM)
SMILES	: <chem>Cn1nc(cc1-c1ccc(OCc2ccc(Cl)cc2)c(-c2ccc(Cl)c(c2)C(F)(F)F)c1O)C(F)(F)F</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

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