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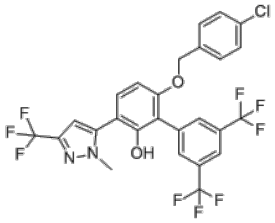
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	MYCi361
Cat. No.	:	PC-73126
CAS No.	:	2289690-31-7
Molecular Formula	:	$C_{26}H_{16}ClF_9N_2O_2$
Molecular Weight	:	594.86
Target	:	c-Myc
Solubility	:	10 mM in DMSO



Biological Activity

MYCi361 (NUCC-0196361) is a small molecule **MYC** inhibitor, binds to MYC protein with KD of 3.2 uM, disrupts **MYC/MAX complex** formation.
MYCi361 impaired MYC/MAX heterodimer but not the closely related MAX/MAX homodimer binding to E-box DNA.
MYCi361 disrupts the MYC/MAX interaction in PC3 cells at concentration 6 μM for 1 hr.
MYCi361 decreases MYC protein stability by modulating MYC-threonine 58 phosphorylation.
MYCi361 inhibits cell proliferatin ona panel of MYC-dependent and -independent cell lines (LNCaP cell IC50 =1.4 uM, MV411, IC50=2.6 uM).
MYCi361 shows favorable pharmacokinetics and inhibits MYC-driven tumor growth in vivo.
MYCi361 modulates the tumor immune microenvironment and enhances anti-PD1 immunotherapy.

References

Han H, et al. ***Cancer Cell.*** 2019 Nov 11;36(5):483-497.e15.

Ding T, et al. ***Front Cell Dev Biol.*** 2021 Feb 26;9:644397.

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