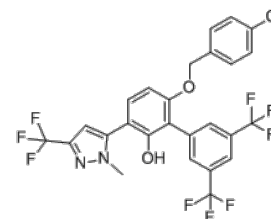


Product Name : MYCi361
Cat. No. : PC-73126
CAS No. : 2289690-31-7
Molecular Formula : C₂₆H₁₆ClF₉N₂O₂
Molecular Weight : 594.86
Target : c-Myc
Solubility :



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 proliferation on a 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.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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