

Data Sheet

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 Product Name
 :
 MYCi975

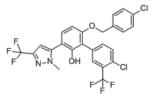
 Cat. No.
 :
 PC-73127

 CAS No.
 :
 2289691-01-4

 Molecular Formula
 :
 C₂₅H₁₆Cl₂F₆N₂O₂

Molecular Weight : 561.31 Target : c-Myc

Solubility : 10 mM in DMSO



Biological Activity

MYCi975 (NUCC-0200975) is a close analog of MYCi361 with improved therapeutic index, binds to **MYC** protein with KD of 2.5 uM, disrupts MYC/MAX complex formation.

MYCi975 (8 uM) enhances MYC degradation and phosphorylation on T58 in treated cells, also directly increases GSK3β-mediated MYC pT58 in the in vitro kinase assay at 6 uM.

MYCi975 inhibits MYC-dependent cancer cell viability and suppresses MYC transcriptional activity.

MYCi975 increases tolerability at significantly higher doses.

MYCi975 exhibits excellent pharmacokinetic profiles following p.o., i.p. or i.v. administration.

MYCi975 (100 mg/kg/day) inhibits tumor growth in MycCaP allografts with no changes in body weight.

MYCi975 synergized with Ara-C with no obvious impact in NSG mice bearing MV-411 AML xenografts.

References

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

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

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