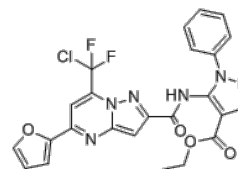


Product Name : Mycro3
Cat. No. : PC-38503
CAS No. : 944547-46-0
Molecular Formula : C₂₄H₁₇ClF₂N₆O₄
Molecular Weight : 526.88
Target : c-Myc
Solubility : 10 mM in DMSO



Biological Activity

Mycro3 is a selective small molecule inhibitor of Myc/Max dimerization with IC₅₀ of 40 μM with a cognate-binding site, inhibits DNA binding of c-Myc with preference over other dimeric transcription factors in vitro.

Mycro3 inhibits c-Myc-dependent proliferation, gene transcription, and oncogenic transformation in the low micromolar concentration range.

Mycro3 inhibits c-Myc-dependent gene transcription and c-Myc-dependent anchorage-independent growth.

Mycro3 drastically attenuated in Mycro3-treated NOD/SCID mice carrying orthotopic or heterotopic xenografts of human pancreatic cancer cells.

References

Bonham AJ, et al. *Nucleic Acids Res.* 2013 Jan;41(2):754-63.

Stellas D, et al. *J Natl Cancer Inst.* 2014 Oct 11;106(12):dju320.

Anke Kiessling, et al. *Chem Biol.* 2006 Jul;13(7):745-51.

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

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