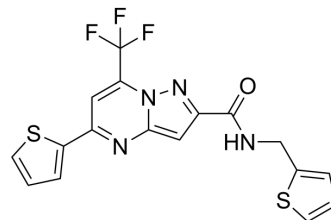


Mycro2

Cat. No.:	HY-126979
CAS No.:	314049-21-3
Molecular Formula:	C ₁₇ H ₁₁ F ₃ N ₄ OS ₂
Molecular Weight:	408.42
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Mycro2 is an inhibitor of c-Myc/Max dimer and DNA binding, with an IC ₅₀ value of 23 μM for the inhibition of Myc/Max DNA binding activity. Mycro2 can inhibit c-myc-dependent cell proliferation, gene transcription and oncogenic transformation ^[1] .
In Vitro	Mycro2 (10 or 20 μM, 7 days) can inhibit the proliferation of C-Myc-dependent cell lines U-2OS, MCF-7, Raji and NIH/3T3, but does not inhibit the proliferation of C-Myc-independent cancer cell line PC-12. Mycro2 significantly inhibits c-myc-induced gene transcription at 10 μM and selectively reduces unanchored growth of c-myc-transformed Rat1a cells at 20 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Anke Kiessling, et al. Selective inhibition of c-Myc/Max dimerization and DNA binding by small molecules. *Chem Biol.* 2006 Jul;13(7):745-51.
- [2]. Kiessling A, et al. Selective inhibition of c-Myc/Max dimerization and DNA binding by small molecules. *Chem Biol.* 2006 Jul;13(7):745-51.

Caution: Product has not been fully validated for medical applications. For research use only.

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