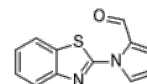


**Product Name** : MI202  
**Cat. No.** : PC-24270  
**CAS No.** : 383135-58-8  
**Molecular Formula** : C<sub>12</sub>H<sub>8</sub>N<sub>2</sub>OS  
**Molecular Weight** : 228.27  
**Target** : c-Myc  
**Solubility** : 10 mM in DMSO



## Biological Activity

MI202 is a potent inhibitor of MYCN expression, inhibits both MYCN promoter activity (IC<sub>50</sub>=2.21 μM) and endogenous MYCN expression (IC<sub>50</sub>=1.07 μM) in JHH7 cells, through ACOT2-mediated signaling pathways.

MI202 also suppressed MYCN protein expression in a time- and dose-dependent manner.

MI202 also reduced cell viability in JHH7 cells, both in monolayer (IC<sub>50</sub> = 2.46 μM) and spheroid (IC<sub>50</sub> = 1.55 μM) cultures, while no effects were observed in Hc cells (IC<sub>50</sub> > 10 μM, respectively).

MI202 suppressed the expression of the cell cycle regulator cyclin B1 and upregulated the expression of the cyclin-dependent kinase inhibitor p15Ink4b in JHH7 cells.

MI202 induced apoptosis in JHH7 cells in a time- and dose-dependent manner.

MI202 significantly downregulated ACOT2 expression in JHH7 cells.

## References

Xu Y, et al. Front Oncol. 2025 Feb 14;15:1486671.

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

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