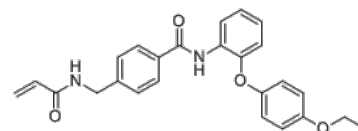


**Product Name** : MYC inhibitor EN4  
**Cat. No.** : PC-73141  
**CAS No.** : 1197824-15-9  
**Molecular Formula** : C<sub>25</sub>H<sub>24</sub>N<sub>2</sub>O<sub>4</sub>  
**Molecular Weight** : 416.477  
**Target** : c-Myc  
**Solubility** :



## Biological Activity

MYC inhibitor EN4 is a covalent ligand and inhibitor of MYC, targets cysteine 171 of MYC and inhibits MYC transcriptional activity (EC<sub>50</sub>=2.8 uM).

EN4 inhibited MYC/MAX binding to the E-box response element DNA consensus sequence in a dose-responsive manner with EC<sub>50</sub> of 6.7 uM.

EN4 directly and covalently modifies pure full-length c-MYC protein at C171 to inhibit MYC/MAX DNA binding in vitro.

EN4 engages MYC in cells, reduced MYC and MAX thermal stability in 231MFP breast cancer cells.

EN4 downregulates multiple MYC transcriptional targets, and impairs tumorigenesis.

## References

Lydia Boike, et al. Cell Chem Biol. 2021 Jan 21;28(1):4-13.e17.

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

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