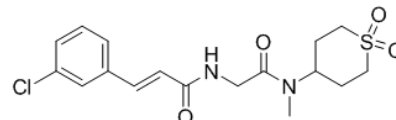


**Product Name** : ML-264  
**Cat. No.** : PC-45778  
**CAS No.** : 1550008-55-3  
**Molecular Formula** : C<sub>17</sub>H<sub>21</sub>ClN<sub>2</sub>O<sub>4</sub>S  
**Molecular Weight** : 384.8777  
**Target** : Kruppel-like Factor (KLF)  
**Solubility** : 10 mM in DMSO



## Biological Activity

ML-264 (ML 264) is a potent, selective of **KLF5** expression inhibitor, without effect on kinases associated with the KLF5 pathway.

ML-264 inhibits the proliferation of DLD-1 cells with IC<sub>50</sub> of 29 nM, and several other KLF5-expressing cell types as well HCT116, IC<sub>50</sub> 560 nM; HT29, IC<sub>50</sub>=130 nM; SW620, IC<sub>50</sub>=430 nM).

ML-264 potently inhibits proliferation of colorectal cancer cells in vitro through modifications of the cell-cycle profile.

ML-264 efficiently inhibits growth of the tumor in an established xenograft mouse model of colon cancer.

## References

Bialkowska A, et al. Probe Reports from the NIH Molecular Libraries Program [Internet].

Ruiz de Sabando A, et al. *Mol Cancer Ther.* 2016 Jan;15(1):72-83.

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

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