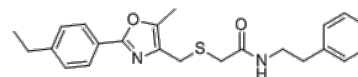


**Product Name** : iCRT3  
**Cat. No.** : PC-62166  
**CAS No.** : 901751-47-1  
**Molecular Formula** : C<sub>23</sub>H<sub>26</sub>N<sub>2</sub>O<sub>2</sub>S  
**Molecular Weight** : 394.53  
**Target** : Beta-catenin  
**Solubility** : 10 mM in DMSO



## Biological Activity

iCRT3 is a selective, cell-permeable **β-catenin responsive transcription** (CRT) inhibitor with IC<sub>50</sub> of 8.2 nM.

iCRT3 interferes with β-cat-TCF4 interaction via direct β-catenin (β-cat) binding, inhibits cellular expression of CRT target genes, including WISP1, AXN2, and CYCD1, in a dose-dependent manner (25-75 μM).

iCRT3 selectively inhibits the proliferation of HCT116 (75 μM), HT29 (75 μM), and several primary human colon cancer cultures (6.25-100 μg/ml).

## References

Lee E, et al. *Proc Natl Acad Sci U S A*. 2013 Sep 24;110(39):15710-5.

Gonsalves FC, et al. *Proc Natl Acad Sci U S A*. 2011 Apr 12;108(15):5954-63.

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

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