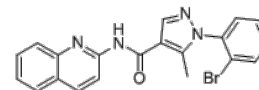


**Product Name** : YW2065  
**Cat. No.** : PC-49509  
**CAS No.** : 2131223-85-1  
**Molecular Formula** : C<sub>20</sub>H<sub>15</sub>BrN<sub>4</sub>O  
**Molecular Weight** : 407.27  
**Target** : Wnt  
**Solubility** : 10 mM in DMSO



## Biological Activity

YW2065 is a potent, selective inhibitor of **Wnt signaling** by stabilizing **Axin-1** with IC<sub>50</sub> of 2.3 nM in Wnt-HEK293 luciferase gene reporter assays, also activates the tumor suppressor **AMPK**.

YW2065 demonstrated good potencies in killing human CRC SW480 cells with IC<sub>50</sub> of 2.4 μM.

YW2065 activated AMPK through phosphorylation, which in turn led to the phosphorylation of the downstream substrate acetyl-CoA carboxylase (ACC) in a dose-dependent manner.

YW2065 inhibited CRC cell proliferation and growth in vitro.

YW2065 (10 or 50 mg/kg, i.p.) suppressed SW620 tumor growth in vivo.

## References

Wei Yang, et al. *J Med Chem.* 2019 Dec 26;62(24):11151-11164.

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

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