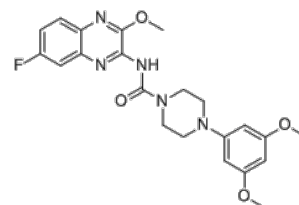


**Product Name** : RX-5902  
**Cat. No.** : PC-73060  
**CAS No.** : 888478-45-3  
**Molecular Formula** : C<sub>22</sub>H<sub>24</sub>FN<sub>5</sub>O<sub>4</sub>  
**Molecular Weight** : 441.463  
**Target** : Beta-catenin  
**Solubility** :



## Biological Activity

RX-5902 (Supinoxin, RX5902) is a small molecule inhibitor of phosphorylated-p68 RNA helicase (P-p68) and attenuates nuclear shuttling of  $\beta$ -catenin.

RX-5902 directly binds to Y593 phospho-p68 RNA helicase, exhibits strong growth inhibition in various human cancer cell lines with IC<sub>50</sub> values ranging between 10 and 20 nM.

RX-5902 inhibited the  $\beta$ -catenin dependent ATPase activity of p68 RNA helicase, downregulates the expression of certain genes in  $\beta$ -catenin pathway, such as c-Myc, cyclin D1 and p-c-Jun.

RX-5902 inhibits  $\beta$ -catenin signaling and demonstrates anti-tumor activity in triple-negative breast cancer (TNBC) in vivo.

## References

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Kost GC, et al. J Cell Biochem. 2015 Aug;116(8):1595-601.

Ali W, et al. Prog Biophys Mol Biol. 2018 Dec;140:79-89.

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

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