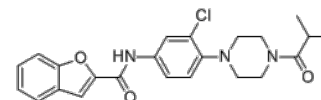


**Product Name** : Rasarfin  
**Cat. No.** : PC-72019  
**CAS No.** : 674359-73-0  
**Molecular Formula** : C<sub>23</sub>H<sub>24</sub>ClN<sub>3</sub>O<sub>3</sub>  
**Molecular Weight** : 425.913  
**Target** : Ras  
**Solubility** : 10 mM in DMSO



## Biological Activity

Rasarfin is a novel dual **Ras** and **ARF6** inhibitor, selectively inhibits small G proteins Ras and ARF6 with IC<sub>50</sub> of 7 and 0.7 uM.

Rasarfin blocks agonist-mediated internalization of AT1R and other GPCRs.

Rasarfin also potently inhibits agonist-induced ERK1/2 signaling by GPCRs, and MAPK and Akt signaling by EGFR, as well as prevents cancer cell proliferation.

Rasarfin blocks GPCR internalization through inhibition of ARF6, a regulator of CCV-mediated endocytosis, and receptor-mediated MAPK.

## References

Jenna Giubilaro, et al. *Nat Commun.* 2021 Aug 3;12(1):4688.

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

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