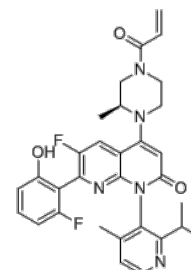


**Product Name** : Lonafranib  
**Cat. No.** : PC-20251  
**CAS No.** : 193275-84-2  
**Molecular Formula** : C<sub>31</sub>H<sub>31</sub>F<sub>2</sub>N<sub>5</sub>O<sub>3</sub>  
**Molecular Weight** : 559.62  
**Target** : Ras  
**Solubility** : 10 mM in DMSO



## Biological Activity

Lonafranib (SCH 66336) is a potent, selective and orally active farnesyl protein transferase (FPT) inhibitor with IC<sub>50</sub> of 1.9 nM, 5.2 nM and 2.8 nM for H-ras, K-ras-4B and N-ras, respectively.

SCH 66336 potently inhibits Ha-Ras processing in whole cells and blocks the transformed growth properties of fibroblasts and human tumor cell lines expressing activated Ki-Ras proteins.

SCH 66336 also blocked anchorage-independent growth of many human tumor lines that lack an activated ras oncogene. SCH 66336 caused significant tumor regression in Ha-Ras transgenic mouse model.

## References

Liu M, et al. Cancer Res. 1998 Nov 1;58(21):4947-56.

Njoroge FG, et al. J Med Chem. 1998 Nov 19;41(24):4890-902.

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

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