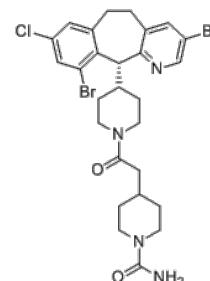


Product Name : Lonafarnib
Cat. No. : PC-21769
CAS No. : 193275-84-2
Molecular Formula : C₂₇H₃₁Br₂ClN₄O₂
Molecular Weight : 638.83
Target : Farnesyl transferase (FTase)
Solubility : 10 mM in DMSO



Biological Activity

Lonafarnib (SCH 66336) is a potent, orally bioavailable **farnesyl protein transferase (FTase, farnesyltransferase)** inhibitor with IC₅₀ of 1.9 nM for **H-Ras** processing in whole cells.

Lonafarnib (SCH 66336) inhibits K-ras and N-ras with IC₅₀ of 5.2 nM and 2.8 nM, respectively. blocks the transformed growth properties of fibroblasts and human tumor cell lines expressing activated Ki-Ras proteins.

Lonafarnib (SCH 66336) inhibits tumor growth in nude mice treated with cells that contained either K-ras mutations (MIA PACA-2, human pancreatic cancer, and HCT-116, human colon cancer) or H-ras mutations (transformed mouse fibroblast, NIH3T3-CVLS), in a dose-dependent manner.

Lonafarnib (SCH 66336) exhibits good oral pharmacokinetics in monkeys and showed good oral efficacy as an antitumor agent in mice.

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!

E-mail: tech@probechem.com