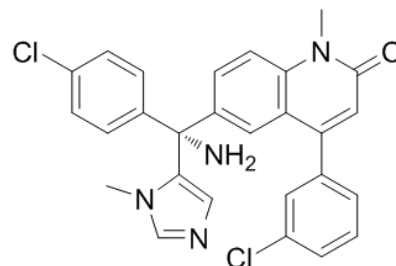


Product Name : Tipifarnib
Cat. No. : PC-42624
CAS No. : 192185-72-1
Molecular Formula : C₂₇H₂₂Cl₂N₄O
Molecular Weight : 489.3958
Target : Farnesyl transferase (FTase)
Solubility : 10 mM in DMSO



Biological Activity

Tipifarnib ((IND 58359, R115777) is a potent and selective inhibitor of **FTase (farnesyltransferase)** with IC₅₀ of 0.86 nM. Tipifarnib inhibits the farnesylation of lamin B and K-RasB peptide substrates with IC₅₀s of 0.86 nM and 7.9 nM, respectively. Tipifarnib shows no activity for PGGT1(IC₅₀>50 uM). Tipifarnib shows sensitivity for tumor cell lines bearing H-ras or N-ras mutations. Tipifarnib inhibits the growth of tumors bearing mice and orally bioavailable.

References

- End DW, et al. **Cancer Res.** 2001 Jan 1;61(1):131-7.
Kelland LR, et al. **Clin Cancer Res.** 2001 Nov;7(11):3544-50.
Beaupre DM, et al. **Mol Cancer Ther.** 2004 Feb;3(2):179-86.

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

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