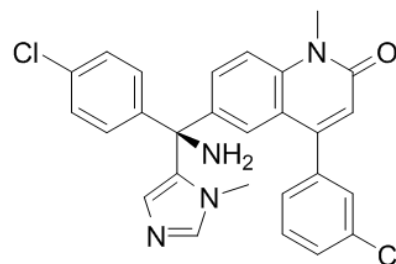


Product Name : Tipifarnib S enantiomer
Cat. No. : PC-42625
CAS No. : 192185-71-0
Molecular Formula : C₂₇H₂₂Cl₂N₄O
Molecular Weight : 489.3958
Target : Farnesyl transferase (FTase)
Solubility : 10 mM in DMSO



Biological Activity

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

Blood Cancer
Phase 3 Clinical

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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