

## **Data Sheet**

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Product Name : Tipifarnib
Cat. No. : PC-42624
CAS No. : 192185-72-1
Molecular Formula : C<sub>27</sub>H<sub>22</sub>Cl<sub>2</sub>N<sub>4</sub>O
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 sensiticity 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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