

Product Name	: Tipifamib
Synonyms	: IND 58359; R115777; IND-58359; IND58359; R-115777; R115777
Cat No.	: M13013
CAS Number	: 192185-72-1
Molecular Formula	: C ₂₇ H ₂₂ Cl ₂ N ₄ O
Formula Weight	: 489.40
Chemical Name	: 2-(1H)-Quinolinone, 6-[(R)-amino(4-chlorophenyl)(1-methyl-1H-imidazol-5-yl)methyl]-4-(3-chlorophenyl)-1-methyl-
Description	Tipifamib ((IND 58359, R115777) 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
Pathway	: Metabolic Enzyme/Protease
Target	: Ftase
Receptor	: Farnesyltransferase (FTase)
Solubility	: 10 mM in DMSO
SMILES	: <chem>O=C1N(C)C2=C(C=C([C@@](C3=CC=C(Cl)C=C3)(N)C4=CN=CN4C)C=C2)C(C5=CC=CC(Cl)=C5)=C1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

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

