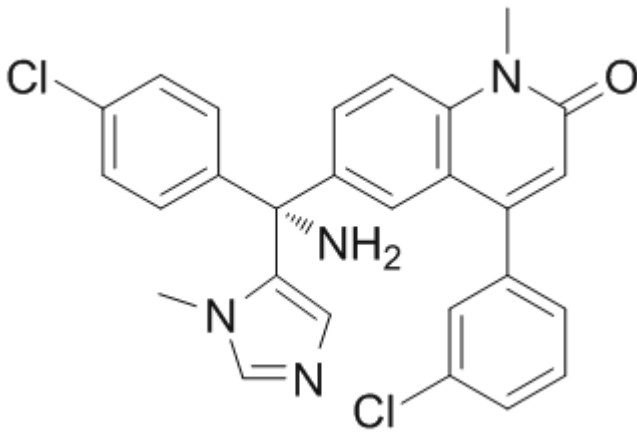


Tipifarnib

Cat# C4100– 100 mg

Storage 2 years -20°C Powder | 2 weeks 4°C in DMSO | 6 months -80°C in DMSO

INFORMATION

Product Name	Tipifarnib
Cat NO.	C4100
Size	100 mg
Description	Tipifarnib (IND 58359; R115777) is a potent and specific farnesyltransferase inhibitor with an IC50 of 0.6 nM. Tipifarnib is a nonpeptidomimetic quinolinone with potential antineoplastic activity. Tipifarnib (Zarnestra; IND 58359; R115777) binds to and inhibits the enzyme farnesyl protein transferase, an enzyme involved in protein processing (farnesylation) for signal transduction. By inhibiting the farnesylation of proteins, it prevents the activation of Ras oncogenes, inhibits cell growth, induces apoptosis, and inhibits angiogenesis.
Cas No.	192185-72-1
Purity	> 98%
Solubility	DMSO : 48.94 mg/mL ethanol ; 9.79 mg/mL
Molecular Formulation	C ₂₇ H ₂₂ Cl ₂ N ₄ O
Molecular Weight	489.4
Storage	2 years -20°C Powder 2 weeks 4°C in DMSO 6 months -80°C in DMSO
Image	 <p>The image shows the chemical structure of Tipifarnib. It features a central carbon atom bonded to a 4-chlorophenyl ring, a 2-amino-4-methylquinolin-5(1H)-one ring, and a 4-chlorophenyl ring. The central carbon is also bonded to a 4-methyl-1H-imidazole ring. The amino group (NH₂) is shown with a dashed bond, indicating its stereochemistry.</p>

PRODUCT USE LIMITATION

These products are intended for research use only.