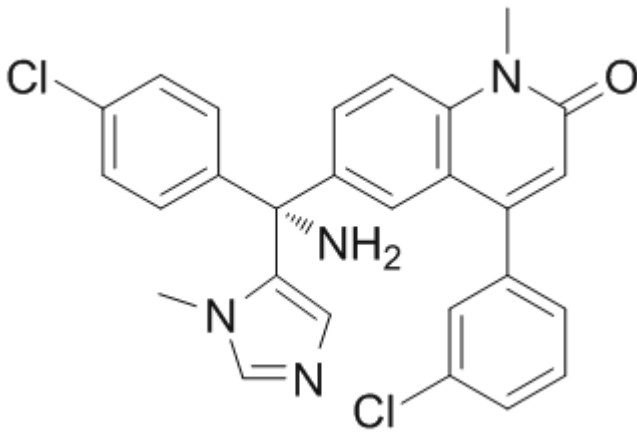


# Tipifarnib

Cat# C4099– 50 mg

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

## INFORMATION

<b>Product Name</b>	Tipifarnib
<b>Cat NO.</b>	C4099
<b>Size</b>	50 mg
<b>Description</b>	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.
<b>Cas No.</b>	192185-72-1
<b>Purity</b>	> 98%
<b>Solubility</b>	DMSO : 48.94 mg/mL   ethanol ; 9.79 mg/mL
<b>Molecular Formulation</b>	C <sub>27</sub> H <sub>22</sub> Cl <sub>2</sub> N <sub>4</sub> O
<b>Molecular Weight</b>	489.4
<b>Storage</b>	2 years -20°C Powder   2 weeks 4°C in DMSO   6 months -80°C in DMSO
<b>Image</b>	 <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 quinolinone ring has a methyl group on the nitrogen and a carbonyl group at the 2-position.</p>

## PRODUCT USE LIMITATION

These products are intended for research use only.