

**PRODUCT: Tipifarnib, Free base****RELATED PRODUCTS:**

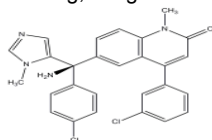
Andrastin A (Cat. No. 2149-250, 1000)

**ALTERNATE NAME:** (R)-6-(Amino(4-chlorophenyl)(1-methyl-1H-imidazol-5-yl)methyl)-4-(3-chlorophenyl)-1-methylquinolin-2(1H)-one; R-115777

**CATALOG #:** 2296-1, 5

**AMOUNT:** 1 mg, 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>27</sub>H<sub>22</sub>Cl<sub>2</sub>N<sub>4</sub>O

**MOLECULAR WEIGHT:** 489.40

**CAS NUMBER:** 192185-72-1

**APPEARANCE:** White to off-white solid

**SOLUBILITY:** DMSO (~ 15 mg/ml) or Ethanol (~ 10 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** At -20° C. Protect from air and light

**DESCRIPTION:** A potent, selective, nonpeptidomimetic inhibitor of farnesyl protein transferase (FPT), an enzyme involved in protein processing (farnesylation) for signal transduction. Displays significant antitumor effects *in vivo*. Tipifarnib competitively inhibits the farnesylation of lamin B (IC<sub>50</sub> = 0.86 nM) and K-RasB (IC<sub>50</sub> = 7.9 nM) peptide substrates and inhibits the cell growth of ~75% of a panel of 53 human tumor cell lines tested.

**REFERENCE:** Lubet, R.A., *et al.* (2006). *Mol. Cancer Ther.* **5**, 1073-1078; End, D.W., *et al.* (2001). *Cancer Res.* **61**, 131-137.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**