

1.5.1.2.6 Zactima® (Vandetanib)

Vandetanib is a tyrosine kinase inhibitor, used in the treatment of lung cancer and locally advanced and metastatic papillary thyroid cancer. It is also indicated for solid tumors. The anti- VEGFR₂ at endothelial cell inhibits angiogenesis, by decreasing endothelial cell proliferation and migration (Hirsch *et al.*, 2003). The anti- EGFR effect at the tumor cell associated with inhibition of cell proliferation decreases invasion, promotes apoptosis, inhibits metastasis and decreases VEGF production (Shojaei *et al.*, 2007).

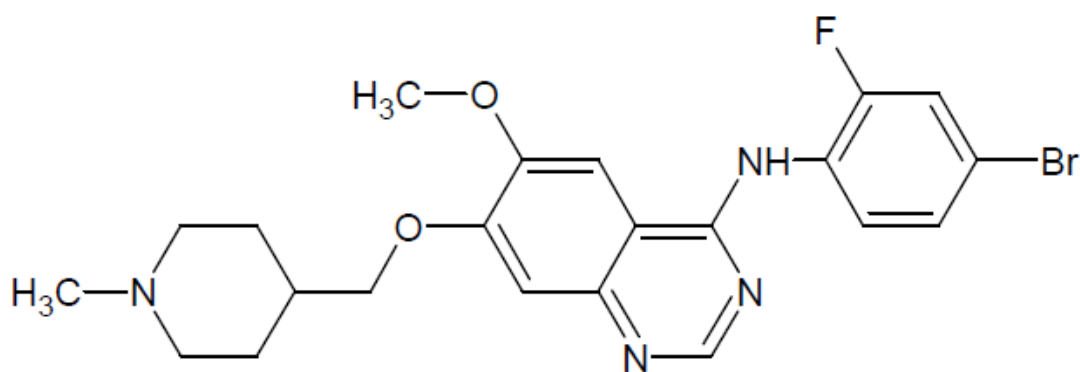


Figure 7: N- (4-bromo-2-fluorophenyl) -6-methoxy-7 {(1-methylpiperidin-4-yl) methoxy} quinazoline-4-amine.

1.5.1.2.7 Retaspimycin

SAR:

Macrolactam with:

- 1) Polyhydroxy group
- 2) Polyenes
- 3) Exocyclic carbamate (Grem *et al.*, 2005).