



Data Sheet

Research Use Only

Compound Name

Vandetanib

Catalog Number

SM107

Alternative Names

Caprelsa, Zactima, ZD6474, N-(4-bromo-2-fluorophenyl)-6-methoxy-7-((1-methylpiperidin-4-yl)methoxy)quinazolin-4-amine

Activity

Vandetanib is an antagonist of VEGFR and EGFR families. Specifically inhibits kinase activity of Flk-1. It is also an inhibitor of Flt-4. Vandetanib is not sensitive to PDGFR β , Flt1, Tie-2 and FGFR1, while almost has no activity against MEK, CDK2, c-Kit, erbB2, FAK, PDK1, Akt and IGF-1R.

Effect

Vandetanib has been shown to influence in the osteoblast differentiation process *in vitro*.

Purity

>98%

CAS

443913-73-3

Formula

C₂₂H₂₄BrFN₄O₂

Molecular Weight

475.35

Solubility

DMSO

Stability

Stable at -20 °C. Keep away from direct sunlight.

References

1. Wedge, SR., et al. 2002. Cancer Res. 62(16): 4645-4655. PMID: 12183421
2. Arbab, AS. 2012. Histol Histopathol. 27(5): 549-557. PMID: 22419019
3. Alemán, JO. et al. 2014. Endocr Relat Cancer. 21(3): R247-259. PMID: 24478055