

## Vandetanib, VEGFRK inhibitor

| Catalog      | Unit  |
|--------------|-------|
| TBI2185-10MG | 10 mg |
| TBI2185-50MG | 50 mg |

### Product Details

**Formal Name:** 4-(4-Bromo-2-fluoroanilino)-6-methoxy-7-(1-methylpiperidin-4-yl)methoxy]quinazoline

**Alternate Names:** ZD6474

**Molecular Formula:** C<sub>22</sub>H<sub>24</sub>BrFN<sub>4</sub>O<sub>2</sub>

**Formula Weight:** 475.40

**CAS Number:** 443913-73-3

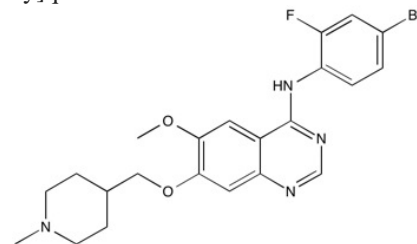
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 30 mg/ml) or in Ethanol (up to 10 mg/ml with warming)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

VEGFRK inhibitor

### Functions

A potent and selective inhibitor of VEGFR2, (KDR IC<sub>50</sub> = 40 nM). Also inhibits fms-like tyrosine kinase 4 (VEGFR3, IC<sub>50</sub> = 110 nM) and epidermal growth factor receptor (EGFR/HER1, IC<sub>50</sub> = 500 nM) but shows selectivity against a panel of other tyrosine and serine-threonine kinases. Inhibits colony formation in seven cancer cell lines. Displays anti-angiogenesis activity.

### Application Procedures

First dissolved in DMSO (up to 30 mg/ml) or in Ethanol (up to 10 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

**For research use only.**