

Catalog	Unit
TBI1377-5MG	5 mg
TBI1377-25MG	25 mg

### Product Details

**Formal Name:** 4-(3-Bromoanilino)-6,7-dimethoxyquinazoline hydrochloride

**Alternate Names:** PD153,053; SU-5271; Z-252868

**Molecular Formula:** C<sub>16</sub>H<sub>14</sub>BrN<sub>3</sub>O<sub>2</sub>

**Formula Weight:** 360.21

**CAS Number:** 153436-54-5

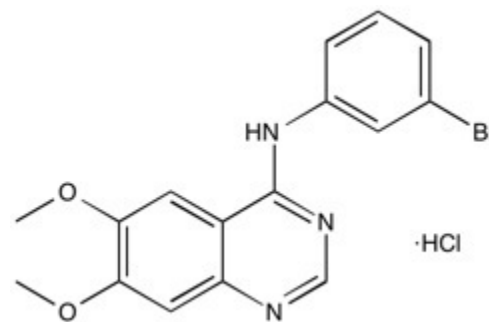
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 5 mg/ml).

**Storage:** RT

**Stability:** ≥ 1 year.



### Applications

EGFR Tyrosine kinase inhibitor

### Functions

An ultra-potent inhibitor of epidermal growth factor receptor tyrosine kinase (EGFRK), with an IC<sub>50</sub> of 25 pM. Inhibits other tyrosine kinases at micromolar or higher concentrations. It selectively blocks EGF-mediated cellular processes including mitogenesis, early gene expression and oncogenic transformation. Inhibits the growth of a number of cancer cell lines. An extremely useful tool for exploring EGF-mediated cellular signaling.

### Application Procedures

First dissolved in DMSO (up to 5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 3 months.

**For research use only.**