

## Gilteritinib, FLT3 inhibitor

Catalog	Unit
TBI4170-5MG	5 mg
TBI4170-25MG	25 mg

### Product Details

**Formal Name:** 6-Ethyl-3-[3-methoxy-4-[4-(4-methylpiperazin-1-yl)piperidin-1-yl]anilino]-5-(oxan-4-ylamino)pyrazine-2-carboxamide

**Alternate Names:** ASP2215

**Molecular Formula:** C<sub>29</sub>H<sub>44</sub>N<sub>8</sub>O<sub>3</sub>

**Formula Weight:** 552.70

**CAS Number:** 1254053-43-4

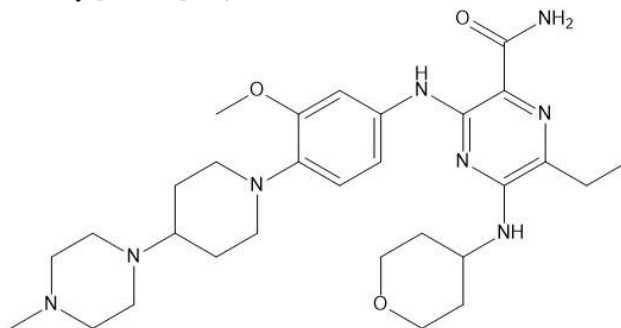
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 25 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

FLT3 inhibitor

### Functions

Gilteritinib is a potent inhibitor of FLT3 (IC<sub>50</sub> = 5 nM, wild-type FLT3) with more potent activity against all FLT3 mutants. It also potently inhibits Axl (IC<sub>50</sub> = 41 nM). Clinically useful in the treatment of acute myeloid leukemia. Gilteritinib has also been shown to inhibit glutamine uptake and utilization via downregulation of glutamine transporters.

### Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

**For research use only.**