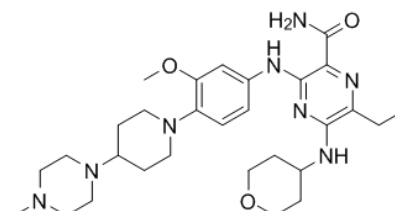


**Product Name** : Gilteritinib  
**Cat. No.** : PC-43033  
**CAS No.** : 1254053-43-4  
**Molecular Formula** : C<sub>29</sub>H<sub>44</sub>N<sub>8</sub>O<sub>3</sub>  
**Molecular Weight** : 552.7115  
**Target** : FLT3  
**Solubility** : DMSO



## Biological Activity

A potent FLT3/AXL inhibitor with IC<sub>50</sub> of 0.73 nM/0.29 nM respectively; also inhibits LTK and ALK (IC<sub>50</sub>=0.35 nM and 1.2 nM respectively), and shows >800-fold selectivity over c-Kit; inhibits the growth of Ba/F3 cells expressing either FLT3-ITD, FLT3-D835Y, FLT3-ITD-D835Y, FLT3-ITD-F691 L, and FLT3-ITD-F691I, with IC<sub>50</sub> of 1.8 nM, 1.6 nM, 2.1 nM, 22 nM, and 49 nM, respectively; orally bioactive.

Blood Cancer

Phase 3 Clinical

## References

Mori M, et al. Invest New Drugs. 2017 May 17. doi: 10.1007/s10637-017-0470-z.

Lee LY, et al. Blood. 2017 Jan 12;129(2):257-260.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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