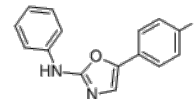


**Product Name** : FLT3 inhibitor 7c  
**Cat. No.** : PC-38742  
**CAS No.** : 2088735-51-5  
**Molecular Formula** : C<sub>15</sub>H<sub>11</sub>FN<sub>2</sub>O  
**Molecular Weight** : 254.26  
**Target** : FLT3  
**Solubility** : 10 mM in DMSO



## Biological Activity

FLT3 inhibitor 7c is a novel potent FLT3 inhibitor with IC<sub>50</sub> of 207.2, 215.3 and 32.5 nM for FLT3 (WT), FLT3 (D835Y) and FLT3 (ITD), respectively.

FLT3 inhibitor 7c inhibits Molm-13 and MV4-11 proliferation with IC<sub>50</sub> of 95.5 and 61.9 nM, respectively.

FLT3 inhibitor 7c inhibits FLT3 signaling in FLT3-ITD+ Molm-13 and MV4-11 cells in vitro.

FLT3 inhibitor 7c inhibits FLT3-downstream effector STAT5 phosphorylation and total STAT5 protein in Molm-13 and MV4-11 cells.

## References

Hyo Jeong Kim, et al. *Molecules*. 2020 Nov 5;25(21):5154.

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

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