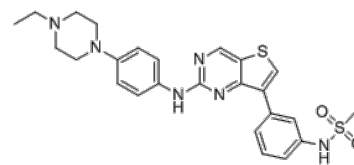


**Product Name** : YHJ1039  
**Cat. No.** : PC-21047  
**CAS No.** : 1644557-92-5  
**Molecular Formula** : C<sub>25</sub>H<sub>28</sub>N<sub>6</sub>O<sub>2</sub>S<sub>2</sub>  
**Molecular Weight** : 508.66  
**Target** : FLT3  
**Solubility** : 10 mM in DMSO



CAS: 1644557-92-5

## Biological Activity

YHJ1039 is a broad-spectrum kinase inhibitor, possesses excellent potencies against **FLT3 mutants** (FLT3 D835Y, IC<sub>50</sub>=0.41 nM) as well as FAK (IC<sub>50</sub>=7 nM).

YHJ1039 remarkably suppresses the proliferation of human cancer cell lines, including HCT-116, MDA-MD-231, and MV4-11. YHJ1039 not only induces apoptosis but also effectively prevents cancer cell invasion by FAK inhibition.

YHJ1039 inhibits tumor growth and metastasis in MDA-MB-231 xenograft and an orthotopic mouse model.

YHJ1039 potently reduces phosphorylation of FLT3, STAT5, and ERK in Ba/F3 harboring the FLT3 mutant (ITD, D835Y, and ITD/D835Y, respectively) and tumor growth in an MV4-11 inoculated xenograft mouse model.

## References

Hanna Cho, et al. *J Med Chem.* 2021 Aug 26;64(16):11934-11957.

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

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