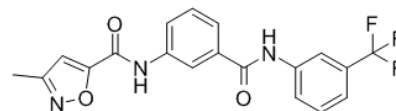


**Product Name** : T56-LIMKi  
**Cat. No.** : PC-45621  
**CAS No.** : 924473-59-6  
**Molecular Formula** : C<sub>19</sub>H<sub>14</sub>F<sub>3</sub>N<sub>3</sub>O<sub>3</sub>  
**Molecular Weight** : 389.328  
**Target** : LIM Kinase (LIMK)  
**Solubility** : DMSO: ≥ 36 mg/mL



## Biological Activity

T56-LIMKi (T-5601640) is a specific LIMK2 inhibitor, reduces phosphorylated cofilin (p-cofilin) by LIMK2 but not by LIMK1 and inhibits (IC<sub>50</sub>=30 μM) the proliferation in NF1<sup>-/-</sup> MEFs.

T56-LIMKi synergizes with salirasib to destabilize the actin cytoskeleton, decreases anchorage-independent cell growth of NF1<sup>-/-</sup> MEFs.

T56-LIMKi reduces tumor size and p-cofilin levels in a nude mouse Panc-1 xenograft model.

## References

Mashiach-Farkash E, et al. *Oncotarget*. 2012 Jun;3(6):629-39.

Rak R, et al. *Cell Cycle*. 2014;13(9):1360-1.

Rak R, et al. *Oncoscience*. 2014 Jan 1;1(1):39-48.

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

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