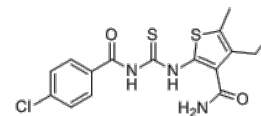


**Product Name** : PI-273  
**Cat. No.** : PC-61327  
**CAS No.** : 925069-34-7  
**Molecular Formula** : C<sub>16</sub>H<sub>16</sub>ClN<sub>3</sub>O<sub>2</sub>S<sub>2</sub>  
**Molecular Weight** : 381.893  
**Target** : PI4K  
**Solubility** : 10 mM in DMSO



### Biological Activity

PI-273 (PI273) is a potent, specific, substrate-competitive small molecule inhibitor of **PI4KIIα** with IC<sub>50</sub> of 0.47 μM.

PI-273 reduces PI4P content, cell viability and AKT signaling in wild-type MCF-7 cells but not in PI4KIIα knockout MCF-7 cells.

PI-273 retards cell proliferation by blocking cells in G2/M, inducing cell apoptosis and suppressing colony-forming ability, significantly inhibits MCF-7 cell-induced breast tumor growth without toxicity in a xenograft model (intravenous or intragastrical).

### References

Li J, et al. **Cancer Res.** 2017 Aug 21. pii: canres.0484.2017.

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

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