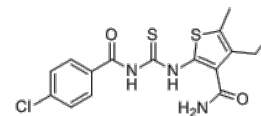


Product Name : PI-273
Cat. No. : PC-61327
CAS No. : 925069-34-7
Molecular Formula : C₁₆H₁₆ClN₃O₂S₂
Molecular Weight : 381.893
Target : PI4K
Solubility : 10 mM in DMSO



Biological Activity

PI-273 (PI273) is a potent, specific, substrate-competitive small molecule inhibitor of **PI4KIIα** with IC₅₀ 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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