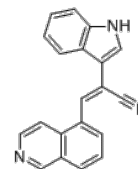


Product Name : PIP4K-IN-a131
Cat. No. : PC-72464
CAS No. : 2055405-95-1
Molecular Formula : C₂₀H₁₃N₃
Molecular Weight : 295.3
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

PIP4K-IN-a131 (PIP4K inhibitor a131) is a **PIP4K** lipid kinase inhibitor with IC₅₀ of 1.9 uM (PI5P4K α), selectively kills cancer cells, while protecting normal cells.

PIP4K-IN-a131 inhibits the kinase activity of purified PIP4K2A in vitro as well as PIP4Ks activity with IC₅₀ of 1.9 uM and 0.6 uM, respectively.

Ras activation overrides a131-induced PIK3IP1 upregulation and activates the PI3K/Akt/mTOR pathway.

References

Mayumi Kitagawa, et al. *Nat Commun.* 2017 Dec 19;8(1):2200.

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

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