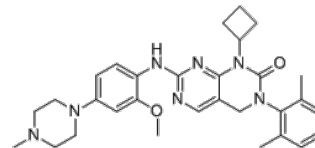


Product Name : YKL-06-061
Cat. No. : PC-63122
CAS No. : 2172617-15-9
Molecular Formula : C₃₀H₃₇N₇O₂
Molecular Weight : 527.673
Target : Salt Inducible Kinase (SIK)
Solubility : 10 mM in DMSO



Biological Activity

YKL-06-061 is a potent, selective, second-generation **salt-inducible kinase (SIK)** inhibitor with IC₅₀ of 6.56/1.77/20.5 nM for SIK1/2/3, respectively.

YKL-06-061 inhibits only one kinase FRK (IC₅₀=1.1 nM), more strongly than SIKs, in a panel of 468 human kinases.

YKL-06-061 dose-dependently increases MITF mRNA expression in human melanoma cells.

YKL-06-061 induces significant pigmentation in Mc1r-deficient mice and normal human skin.

References

Mujahid N, et al. **Cell Rep.** 2017 Jun 13;19(11):2177-2184.

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

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