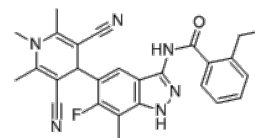


Product Name : BAY-3827
Cat. No. : PC-35331
CAS No. : 2377576-35-5
Molecular Formula : C₂₇H₂₅FN₆O
Molecular Weight : 468.536
Target : AMPK
Solubility : 10 mM in DMSO



Biological Activity

BAY-3827 (BAY3827) is a potent, selective inhibitor of **AMPK** with IC₅₀ of 0.4 nM (10 μM ATP) and 15 nM (2 mM ATP), respectively.

BAY-3827 is a tool compound to evaluate the therapeutic potential of AMPK inhibition in MYC-dependent tumors. BAY-3827 strongly inhibits Acetyl-CoA carboxylase (ACC) phosphorylation in COLO 320DM and IMR-32 cells, but fails to inhibit the proliferation of cells with dysregulated c-MYC or N-MYC.

References

Clara Lemos, et al. Abstract 5873: BAY-3827, a selective inhibitor of AMPK for the evaluation of the role of AMPK in Myc-dependent tumors. AACR.2018.

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

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