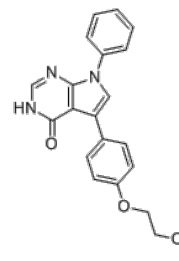


Product Name : DMX-5804
Cat. No. : PC-36139
CAS No. : 2306178-56-1
Molecular Formula : C₂₁H₁₉N₃O₃
Molecular Weight : 361.401
Target : MAP4K
Solubility : 10 mM in DMSO



Biological Activity

DMX-5804 (DMX5804) is a potent, selective small-molecule inhibitor of **MAP4K4** with IC₅₀ of 3 nM. DMX-5804 displays >100-fold selectivity over GCK/MAP4K2, GLK/MAP4K3, KHS/MAP4K5 and VEGFR. DMX-5804 rescues cell survival, mitochondrial function, and calcium cycling in hiPSC-CMs (human induced-pluripotent-stem-cell-derived cardiomyocytes), protects hiPSC-CMs with EC₅₀ of 500 nM for cell death induced by 400 μM H₂O₂. DMX-5804 reduces infarct size and ischemia-reperfusion injury in mice in mice.

References

Fiedler LR, et al. *Cell Stem Cell*. 2019 Mar 1. pii: S1934-5909(19)30013-X.

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

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