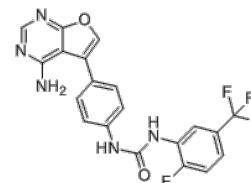


Product Name : YU252
Cat. No. : PC-72595
CAS No. : 501693-48-7
Molecular Formula : C₂₀H₁₃F₄N₅O₂
Molecular Weight : 431.351
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

YU252 (YU239252) is a small molecule **SPAK inhibitor** with IC₅₀ of 8.23 μM in in vitro SPAK ELISA assay at 10 μM ATP. YU252 decreases ion co-transporter activity and inhibits migration in glioblastoma cells by reducing both NKCC1 and KCC phosphorylation, inhibits glioblastoma proliferation and tumor growth in mice. YU252 can potentially be used to inhibit the WNK/SPAK-OSR1 network in GBM and limit tumorigenesis in vivo.

References

Paula Schiapparelli, et al. *Cell Rep.* 2021 Jul 20;36(3):109416.

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

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