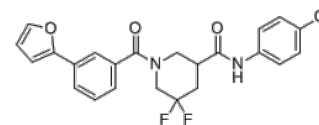


Product Name : CCG-222740
Cat. No. : PC-35330
CAS No. : 1922098-69-8
Molecular Formula : C₂₃H₁₉ClF₂N₂O₃
Molecular Weight : 444.863
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

CCG-222740 (CCG222740) is a pharmacological inhibitor of MRTF/SRF signalling, shows greater inhibitory effect on MRTF/SRF target genes than MRTF-A inhibitor CCG-203971, with IC₅₀ of 5 μM in fibroblast-mediated collagen contraction assay.

CCG-222740 is a more potent inhibitor of alpha-smooth muscle actin protein expression than CCG-203971.

CCG-222740 prevents scar tissue formation in a preclinical model of fibrosis; effectively kills BRAFi-resistant melanoma cells.

References

Hutchings KM, et al. *Bioorg Med Chem Lett*. 2017 Apr 15;27(8):1744-1749.

Yu-Wai-Man C, et al. *Sci Rep*. 2017 Mar 31;7(1):518.

Sean A. Misek, et al. Abstract 5895: Targeting RhoA-regulated gene transcription in drug-resistant melanoma. AACR 2018.

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

E-mail: tech@probechem.com