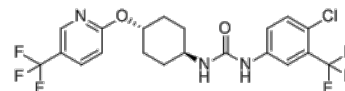


Product Name : UC2288
Cat. No. : PC-49493
CAS No. : 1394011-91-6
Molecular Formula : C₂₀H₁₈ClF₆N₃O₂
Molecular Weight : 481.82
Target : MDM2-p53
Solubility : 10 mM in DMSO



Biological Activity

UC2288 is a small molecule **p21** inhibitor, attenuates p21 protein abundance at 10 μM, independently of p53 activity and at the level of transcription or post-transcription.

UC2288 is a chemical analog of sorafenib, a multikinase inhibitor that also attenuates p21, but UC2288 does not inhibit Raf kinases or alter p-ERK protein levels.

UC2288 (10 uM) decreases p21 mRNA expression with no effect on p21 protein stability in 786-O cells.

UC2288 inhibits cell growth of various cancer cell lines, decreases cytosolic p21.

References

Wettersten HI, et al. *Cancer Biol Ther*. 2013 Mar;14(3):278-85.

Tay VSY, et al. *Sci Rep*. 2019 Dec 18;9(1):19341.

Minagawa Y, et al. *Anticancer Res*. 2020 Oct;40(10):5631-5639.

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

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