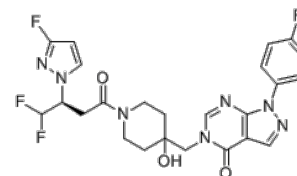


Product Name : FT-671
Cat. No. : PC-60088
CAS No. : 1959551-26-8
Molecular Formula : C₂₄H₂₃F₄N₇O₃
Molecular Weight : 533.488
Target : Deubiquitinase (DUB)
Solubility : 10 mM in DMSO



Biological Activity

FT-671 is a novel potent, specific, non-covalent **USP7** inhibitor with K_d of 65 nM (USP7 catalytic domain). FT-671 inhibits USP7 with IC₅₀ values of 52 nM (USP7 CD) and 69 nM (USP7C-term), display good USP7 selectivity in a panel of 38 deubiquitinases (DUBs). FT-671 destabilizes USP7 substrates including MDM2, increases levels of p53, and results in the transcription of p53 target genes and induces tumour suppressor p21. FT-671 blocks the proliferation of MM.1S cells (IC₅₀=33 nM), suppresses tumour growth in mice; orally available.

References

Turnbull AP, et al. *Nature*. 2017 Oct 26;550(7677):481-486.

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

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