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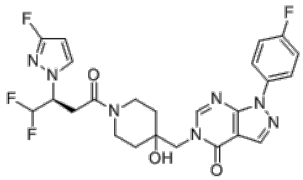
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	FT-671
Cat. No.	:	PC-60088
CAS No.	:	1959551-26-8
Molecular Formula	:	$C_{24}H_{23}F_4N_7O_3$
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 Kd 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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