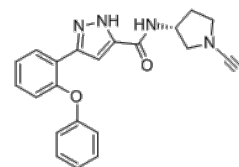


Product Name : FT385
Cat. No. : PC-72253
CAS No. :
Molecular Formula : C₂₁H₁₉N₅O₂
Molecular Weight : 373.416
Target : Deubiquitinase (DUB)
Solubility : 10 mM in DMSO



Biological Activity

FT385 (FT3967385) is a potent, selective **USP30** inhibitor with biochemical IC₅₀ of 1.5 nM.

FT385 (FT3967385) displays high selectivity against a broad panel of USP enzymes, with one exception of plasma membrane-associated USP6.

FT385 engages USP30 in cells at low nanomolar concentrations.

Inhibition of USP30 via FT385 phenocopies USP30 KO in enhancing basal mitophagy and promoting ubiquitylation of TOM20 upon depolarisation, enhances phospho-Ser65 ubiquitin (pUb) levels on mitochondria of SHSY5Y cells.

References

Emma V Rusilowicz-Jones, et al. *Life Sci Alliance*. 2020 Jul 7;3(8):e202000768.

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

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