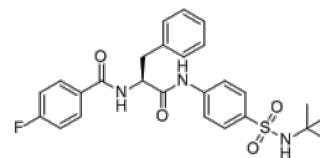


Product Name : USP30 inhibitor Compound 39
Cat. No. : PC-72252
CAS No. : 2242582-40-5
Molecular Formula : C₂₆H₂₈N₃O₄S
Molecular Weight : 497.585
Target : Deubiquitinase (DUB)
Solubility : 10 mM in DMSO



Biological Activity

USP30 inhibitor Compound 39 (CMPD-39, USP30inh) is a highly selective inhibitor of **USP30** with IC₅₀ of 20 nM in an in vitro assay of enzyme activity, >100-fold selectivity over other DUBs.

CMPD-39 promotes depolarization-dependent ubiquitylation of previously described USP30 substrates (TOMM20, SYNJ2BP).

CMPD-39 enhanced basal mitophagy in treated SHSY5Y-mitoQC cells, enhanced basal pexophagy in treated U2OS-Keima-SKL cells.

CMPD-39 recapitulated the previously described effect for USP30 depletion in cell assays.

References

Emma V Rusilowicz-Jones, et al. *Life Sci Alliance*. 2021 Nov 29;5(2):e202101287.

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

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