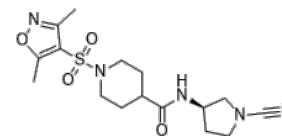


Product Name : Huib32
Cat. No. : PC-26593
CAS No. :
Molecular Formula : C₁₆H₂₃N₅O₄S
Molecular Weight : 381.45
Target : Deubiquitinase (DUB)
Solubility : 10 mM in DMSO



Biological Activity

Huib32 is a potent, selective small-molecule inhibitor of **USP32** with IC₅₀ of 21.2 nM in an activity assay using Ub-RhoMP. Huib32 shows high selectivity over other closely related deubiquitinating enzymes (DUBs), such as USP8/10/16, UCHL1 and OTUB2.

Huib32 reversibly inhibits USP32 by covalently binding to the active site Cys743, which enhances substrate ubiquitination, alters endosomal morphology, and mimics USP32 depletion.

References

Stephan Scherpe, et al. *bioRxiv*. doi: <https://doi.org/10.1101/2025.04.19.649632>

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

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