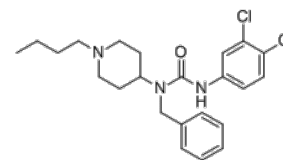


Product Name : NAcM-OPT
Cat. No. : PC-61931
CAS No. : 2089293-61-6
Molecular Formula : C₂₃H₂₉Cl₂N₃O
Molecular Weight : 434.405
Target : Ubiquitin-conjugating Enzyme (E2)
Solubility : 10 mM in DMSO



Biological Activity

NAcM-OPT is a specific, reversible small molecule inhibitor targeting N-Acetyl-UBE2M interaction with **DCN1** with IC₅₀ of 79 nM in TR-FRET assays.

NAcM-OPT also inhibits DCN2, but has no activity against DCN3, DCN4, or DCN5.

NAcM-OPT inhibits NEDD8 ligation in vitro and in cells, and suppress anchorage-independent growth of a cell line with DCN1 amplification.

References

Scott DC, et al. *Nat Chem Biol.* 2017 Aug;13(8):850-857.

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

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