

Product Name	: NAcM-OPT
Synonyms	: NAcM-OPT; NAcM OPT; NAcMOPT
Cat No.	: M13266
CAS Number	: 2089293-61-6
Molecular Formula	: C ₂₃ H ₂₉ Cl ₂ N ₃ O
Formula Weight	: 434.41
Chemical Name	: 1-benzyl-1-(1-butylpiperidin-4-yl)-3-(3,4-dichlorophenyl)urea
Description	: NAcM-OPT is a specific, reversible small molecule inhibitor targeting N-Acetyl-UBE2M interaction with DCN1 with IC ₅₀ of 79 nM in TR-FRET assays; also inhibits DCN2, but has no activity against DCN3, DCN4, or DCN5; inhibits NEDD8 ligation in vitro and in cells, and suppress anchorage-independent growth of a cell line with DCN1 amplification.
Pathway	: Proteasome/Ubiquitin
Target	: E2
Receptor	: DCN1-UBE2M
Solubility	: DMSO: 100 mg/mL, 230.20 mM; Water: Insoluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
SMILES	: <chem>O=C(NC1=CC=C(Cl)C(Cl)=C1)N(CC2=CC=CC=C2)C3CCN(CCCC)CC3</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

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