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Product Datasheet

NACM-OPT **FBM-10-1636**

Article Name	NACM-OPT
Biozol Catalog Number	FBM-10-1636
Supplier Catalog Number	10-1636
Alternative Catalog Number	FBM-10-1636-5MG,FBM-10-1636-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	NEDD8 ligation inhibitor...
Molecular Weight	434.40
Purity	98% by HPLC/TLC NMR (Conforms)
Form	White solid
CAS Number	[2089293-61-6]
Formula	C ₂₃ H ₂₉ Cl ₂ N ₃ O
Application Notes	A potent and selective NEDD8 ligation inhibitor, IC ₅₀ =80 nM (in vitro). ¹ It inhibits the N-terminal acetyl-dependent interaction between the E2 conjugating enzyme UBE2M/UBC12 and DCN1, a subunit of a multiprotein E3 ligase for the ubiquitin-like protein NEDD8, an interaction which is essential for assembly of the multiprotein ligation complex. ² NACM-OPT inhibits NEDD8 ligation in vitro and in cells (IC ₅₀ =10 μM) and suppresses anchorage-independent growth of HCC95 cells and is highly selective with respect to other N-terminal acetyl protein binding sites. ¹