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## Product Datasheet

### NAcM-OPT, CAS [[2089293-61-6]] FBM-10-1636

|                            |   |
|----------------------------|---|
| Article Name               | NAcM-OPT, CAS [[2089293-61-6]]  |
| 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                    | C23H29Cl2N3O  |
| Application Notes          | A potent and selective NEDD8 ligation inhibitor, IC <sub>50</sub> =80 nM (in vitro). <sup>1</sup> 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. <sup>2</sup> NAcM-OPT inhibits NEDD8 ligation in vitro and in cells (IC <sub>50</sub> =10 µM) and suppresses anchorage-independent growth of HCC95 cells and is highly selective with respect to other N-terminal acetyl protein binding sites. <sup>1</sup> |