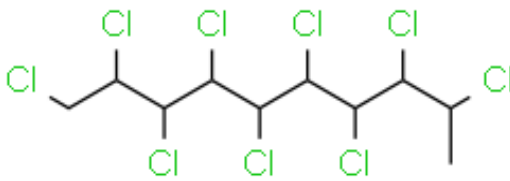


## Product Data Sheet

|  |  |              |          |
|--|--|--------------|----------|
| Cas No.:   | 2366268-80-4   | Cat. No:     | PL10651  |
| Product Name:  | CP-10  |              |          |
| Product synonym:   | -  |              |          |
| Chemical name:   | CP-10  |              |          |
| MF:  | C10H13CL9  | FW:          | 452.2872 |
| Purity:  | ≥98%   | Batch No.:   | -        |
| Storage:   |  |              |          |
| Structural formula:                                      |                  |              |          |
| λmax:  | -  | Formulation: | -        |
| Solubility :   |  |              |          |
| SMILES :   | ClC([H])(C([H])(C([H])(C([H])(C([H])([H])Cl)Cl)Cl)C([H])(C([H])(C([H])(C([H])([H])([H])Cl)Cl)Cl)Cl |              |          |
| InChI Code:  | -  |              |          |
| InChI Key:   |  |              |          |
| WARNING This product is not for human or veterinary use. |  |              |          |

## Product Description

CP-10 是由Cereblon配体和CDK配体相连的PROTAC，具有高选择性，特异性和显著的 CDK6 降解潜力 (DC<sub>50</sub>=2.1 nM) 的 PROTAC。它抑制几种造血细胞癌的增殖，包括多发性骨髓瘤，并且对突变和过表达的 CDK6 仍然可以降解。

|                     |   |
|---------------------|---|
| 生物活性                | CP-10 is a PROTAC connected by ligands for Cereblon and CDK, with highly selective, specific, and remarkable CDK6 degradation (DC <sub>50</sub> =2.1 nM). It inhibits proliferation of several haematopoietic cancer cells with impressive potency including multiple myeloma, and can still degrades mutated and overexpressed CDK6.   |
| IC50 & Target[1][2] | CDK6 2.1 nM (DC50) Cereblon   |
| 体外研究(In Vitro)      | CP-10 induces nearly 72% degradation of CDK6 at 10 nM and 89% at 100 nM in human glioblastoma U251 cells. The degradation of CDK4 induced by CP-10 is far weaker than that of CDK6 (DC50: 50-80 fold).<br>CP-10 displays a cell inhibition potential in multiple myeloma cell MM.1S (IC50≈10 nM) and mantle cell lymphoma cells (in Mino, IC50≈8 nM). has not independently confirmed the accuracy of these methods. They are for reference only. |
| 包装储存                | -20°C, stored under nitrogen In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)   |
| 溶解度数据               | In Vitro: DMSO : 200 mg/mL (229.37 mM; Need ultrasonic)配制储备液  |