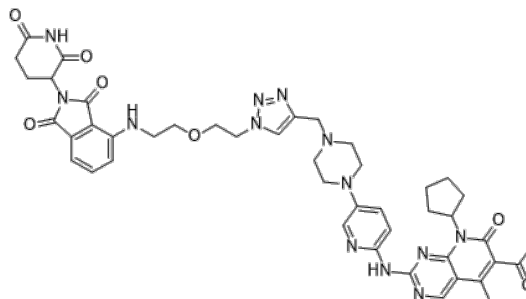


Product Name : CDK6 PROTAC CP-10
Cat. No. : PC-26501
CAS No. : 2366268-80-4
Molecular Formula : C₄₄H₄₉N₁₃O₇
Molecular Weight : 871.96
Target : PROTAC
Solubility : 10 mM in DMSO



Biological Activity

CDK6 PROTAC CP-10 is a potent, selective CDK6 degrader (DC50=2.1 nM, U251 cells) generated by linking CDK6 inhibitor palbociclib and E3 ligase CRBN recruiter pomalidomide.

CP-10 induces specific degradation of CDK6, with far weaker CDK4 degradation with DC50 of 150-180 nM.

CP-10 induces degradation of CDK6 by the ubiquitin-proteasome system.

CP-10 shows cell inhibition potential (IC50=10 nM) in multiple myeloma cell MM.1S and mantle cell lymphoma cells (in Mino, IC50=8 nM) or comparable activities in leukemia cells, induces degradation of amplified/mutated forms of CDK6 (D163G mutation).

References

Shang Su, et al. J Med Chem. 2019 Aug 22;62(16):7575-7582.

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

E-mail: tech@probechem.com