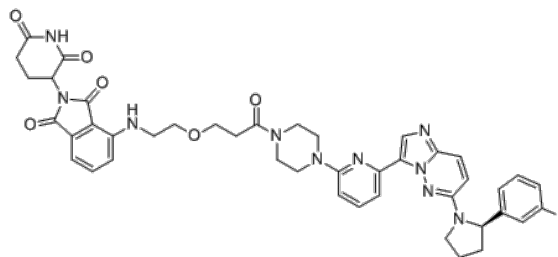


Product Name : CG428
Cat. No. : PC-72115
CAS No. : 2412055-93-5
Molecular Formula : C₄₃H₄₃FN₁₀O₆
Molecular Weight : 814.879
Target : PROTAC
Solubility : 10 mM in DMSO



Biological Activity

CG428 (CG-428) is a first-in-class potent and selective **TRK** degrader (PROTAC) with DC50 of 0.36 nM.

CG428 (CG-428) showed selectivity for the degradation of endogenous TPM3-TRKA over ectopically expressed ATP/GTP binding protein-like 4 (AGBL4)-TRKB or ETS variant transcription factor 6 (ETV6)-TRKC fusion proteins in KM12 cells.

CG428 exhibited higher potency for inhibiting growth of KM12 cells with IC50 of 2.9 nM, compared with the parental TRK kinase inhibitor.

CG428 (CG-428) is a valuable chemical tool compound for investigating the in vivo function of TRK fusion during tumorigenesis

References

Liqun Chen, et al. *J Med Chem*. 2020 Dec 10;63(23):14562-14575.

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

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