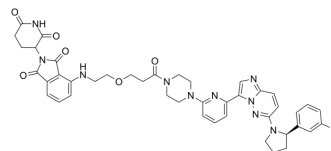


CG428

Cat. No.:	HY-137465
CAS No.:	2412055-93-5
Molecular Formula:	C ₄₃ H ₄₃ FN ₁₀ O ₆
Molecular Weight:	814.86
Target:	Trk Receptor
Pathway:	Neuronal Signaling; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

CG428 is a potent and selective tropomyosin receptor kinase (TRK) degrader that has anti-tumor activity. CG428 reduces levels of the tropomyosin 3 (TPM3)-TRKA fusion protein in KM12 colorectal carcinoma cells ($DC_{50} = 0.36$ nM) and inhibits downstream PLC γ 1 phosphorylation ($IC_{50} = 0.33$ nM). CG428 has a higher binding affinity for TRKA than TRKB and TRKC ($K_d = 1$ nM, 28 nM and 4.2 nM, respectively). In addition, CG428 effectively inhibits KM12 cell growth ($IC_{50} = 2.9$ nM)^[1].

REFERENCES

[1]. Chen L, et al. Discovery of First-In-Class Potent and Selective Tropomyosin Receptor Kinase Degradors. *J Med Chem.* 2020 Dec 10;63(23):14562-14575.

Caution: Product has not been fully validated for medical applications. For research use only.

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