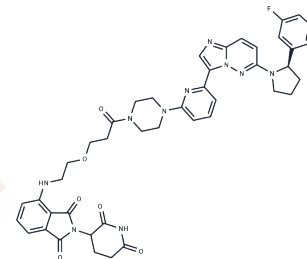


CG 428

## Chemical Properties

CAS No. : 2412055-93-5  
 Formula: C43H43FN10O6  
 Molecular Weight: 814.86  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	CG 428 is a potent tropomyosin receptor Kinase (TRK) Degrader (uSMITETM) with a DC50 of 0.36 nM. CG 428 comprises an analog of the pan-TRK inhibitor GNF-8625 joined by a linker to the cereblon E3 ligase ligand pomalidomide. CG 428 shows selectivity for TRKA over TRKC and TRKB with Kds of 1nM, 4.2 nM, and 28 nM. CG 428 inhibits the growth of KM12 colon cancer cells with an IC50 of 2.9 nM.
Targets(IC50)	PROTACs,Trk receptor

## Solubility Information

Solubility	DMSO: 90 mg/mL (110.45 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2272 mL	6.136 mL	12.272 mL
5 mM	0.2454 mL	1.2272 mL	2.4544 mL
10 mM	0.1227 mL	0.6136 mL	1.2272 mL
50 mM	0.0245 mL	0.1227 mL	0.2454 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Chen L, et al. Discovery of First-In-Class Potent and Selective Tropomyosin Receptor Kinase Degraders. J Med Chem. 2020;63(23):14562-14575.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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