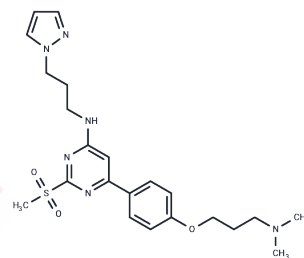


TP-238

## Chemical Properties

CAS No. : 2415263-04-4  
 Formula: C<sub>22</sub>H<sub>30</sub>N<sub>6</sub>O<sub>3</sub>S  
 Molecular Weight: 458.58  
 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	TP-238, a potent and selective dual CECR2/BPTF probe, exhibits IC <sub>50</sub> values of 30 nM and 350 nM, respectively. Additionally, it inhibits BRD9 with a pIC <sub>50</sub> of 5.9, demonstrating lesser activity against another 338 kinases [1] [2].
Targets(IC <sub>50</sub> )	Others,Epigenetic Reader Domain
In vitro	TP-238 demonstrates targeted biochemical activity, exhibiting affinities of 10-30 nM with CECR2 and 100-350 nM with BPTF. Furthermore, its potency is confirmed through an Alpha screen assay, with pIC <sub>50</sub> values of 7.5 for CECR2 and 6.5 for BPTF, respectively. Isothermal titration calorimetry (ITC) further substantiates TP-238's binding affinity, revealing a dissociation constant (K <sub>d</sub> ) of 10 nM for CECR2 and 120 nM for BPTF [1] [2].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1806 mL	10.9032 mL	21.8064 mL
5 mM	0.4361 mL	2.1806 mL	4.3613 mL
10 mM	0.2181 mL	1.0903 mL	2.1806 mL
50 mM	0.0436 mL	0.2181 mL	0.4361 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.

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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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