

TMX-2172

## Chemical Properties

CAS No. : 2488892-09-5

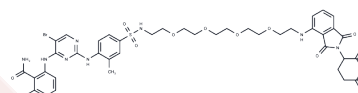
Formula: C41H45BrFN9O11S

Molecular Weight: 970.82

Keep away from direct sunlight

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	TMX-2172 is a heterobifunctional CDK2 degrader, selectively degrading CDK2 and CDK5, with minimal effects on CDK1, transcriptional CDKs (CDK7 and CDK9), and cell cycle CDKs (CDK4 and CDK6). In ovarian cancer cells (OVCAR8), its anti-proliferative activity is dependent on CDK2 degradation and is linked to high expression of cyclin E1 (CCNE1), which acts as a regulatory subunit of CDK2. As a lead compound for further development, TMX-2172 demonstrates that CDK2 degradation could be a potentially effective strategy for treating ovarian and other cancers with elevated CCNE1 expression.
Targets(IC50)	CDK,PROTACs

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0301 mL	5.1503 mL	10.3006 mL
5 mM	0.206 mL	1.0301 mL	2.0601 mL
10 mM	0.103 mL	0.515 mL	1.0301 mL
50 mM	0.0206 mL	0.103 mL	0.206 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**

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