

TMX-4113

Chemical Properties

CAS No. :

Formula: C₁₂H₁₂N₄O₂S₂

Molecular Weight: 308.38

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-4113 has potential to be used in cancer that is a phosphodiesterase 6D(PDE6D) and casein kinase 1 α (CK1 α) degrader [1].
Targets(IC50)	Others,Casein Kinase,Molecular Glues,PDE
In vitro	TMX-4113, also referred to as compound 21, demonstrated a pronounced degradation effect on PDE6D and CK1 α in MOLT4 cells at a concentration of 1 μ M over 4 hours. Additionally, varying concentrations of TMX-4113 (0 nM, 40 nM, 200 nM, 1 μ M) over the same period led to significant degradation of PDE6D in MOLT4 cells. Notably, a dose of 40 nM effectively degraded over 50% of CK1 α in MM.1S cells. Western Blot Analysis corroborated these findings, confirming TMX-4113's high degradation preference for both PDE6D and CK1 α at a 1 μ M concentration in MOLT4 cells, as well as the induced degradation of PDE6D across the tested concentrations.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2428 mL	16.2138 mL	32.4275 mL
5 mM	0.6486 mL	3.2428 mL	6.4855 mL
10 mM	0.3243 mL	1.6214 mL	3.2428 mL
50 mM	0.0649 mL	0.3243 mL	0.6486 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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