

TMX-2164

Chemical Properties

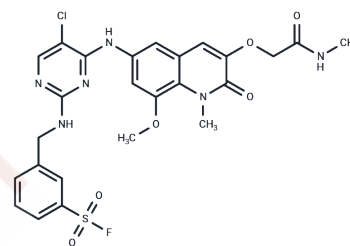
CAS No. : 2418022-85-0

Formula: C₂₅H₂₄ClFN₆O₆S

Molecular Weight: 591.01

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-2164, a potent and irreversible inhibitor of B-cell lymphoma 6 (BCL6), demonstrates an IC ₅₀ of 152 nM, indicating strong inhibitory efficacy. It exhibits prolonged target engagement and effectively inhibits cell proliferation.
Targets(IC ₅₀)	Bcl-2 Family,Others
In vitro	2-heptyl-3-hydroxy-4(1H)-Quinolone (60 μM) increases secretion of the metabolite pyocyanin and the lectin PA-IL, as well as increases biofilm production in P. aeruginosa populations.[2] 2-heptyl-3-hydroxy-4(1H)-Quinolone (40 μM) reduces iron levels in P. aeruginosa growth media when used at a concentration and acts as an iron chelator in a Fe(III)-sulfate solution.[3]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.692 mL	8.4601 mL	16.9202 mL
5 mM	0.3384 mL	1.692 mL	3.384 mL
10 mM	0.1692 mL	0.846 mL	1.692 mL
50 mM	0.0338 mL	0.1692 mL	0.3384 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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