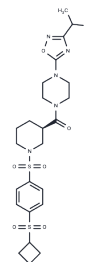


DX3-234

Chemical Properties

CAS No. : 2941323-59-5
 Formula: C₂₅H₃₅N₅O₆S₂
 Molecular Weight: 565.71
 Storage: Store at low temperature
 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	DX3-234 is a potent oxidative phosphorylation (OXPHOS) inhibitor that acts by inhibiting complex I in the mitochondrial electron transport chain (ETC), leading to intracellular ATP depletion and cell death, and can be used for the treatment of specific cancers dependent on aerobic metabolism, such as pancreatic cancer.
Targets(IC50)	OXPHOS, Mitochondrial Metabolism

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7677 mL	8.8385 mL	17.6769 mL
5 mM	0.3535 mL	1.7677 mL	3.5354 mL
10 mM	0.1768 mL	0.8838 mL	1.7677 mL
50 mM	0.0354 mL	0.1768 mL	0.3535 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

Xue D, et al. Discovery and Lead Optimization of Benzene-1,4-disulfonamides as Oxidative Phosphorylation Inhibitors. J Med Chem. 2022;65(1):343-368.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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