

DX3-235

Chemical Properties

CAS No. : 2749555-39-1

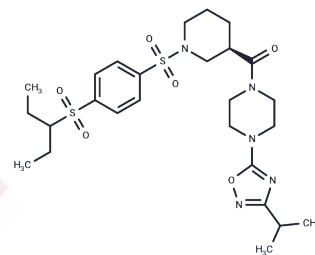
Formula: C₂₆H₃₉N₅O₆S₂

Molecular Weight: 581.75

Store at low temperature

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	DX3-235 is an oxidative phosphorylation (OXPHOS) inhibitor with nanomolar-level inhibitory effects on mitochondrial complex I function in galactose-containing media, resulting in reduced ATP production, leading to impaired cellular energy metabolism and cancer cytotoxicity.
Targets(IC50)	OXPHOS, Mitochondrial Metabolism

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.719 mL	8.5948 mL	17.1895 mL
5 mM	0.3438 mL	1.719 mL	3.4379 mL
10 mM	0.1719 mL	0.8595 mL	1.719 mL
50 mM	0.0344 mL	0.1719 mL	0.3438 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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