

Lon-TK

Chemical Properties

CAS No. :

Formula: C₂₄H₂₈Cl₂N₂O₃S₂

Molecular Weight: 527.53

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	Lon-TK is a glycolysis inhibitor of LTB, linked with a linker conjugate. LTB is an intelligent responsive prodrug, comprised of Lonidamine (Lon) and a PD-L1 inhibitor (BMS-1), which are connected through a thioketal linkage. It effectively inhibits glycolytic metabolism in tumor cells and blocks the PD-1/PD-L1 immune escape pathway. Lon-TK holds potential for use in photodynamic-enhanced immunotherapy research.
Targets(IC50)	PD-1/PD-L1

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8956 mL	9.4781 mL	18.9563 mL
5 mM	0.3791 mL	1.8956 mL	3.7913 mL
10 mM	0.1896 mL	0.9478 mL	1.8956 mL
50 mM	0.0379 mL	0.1896 mL	0.3791 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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