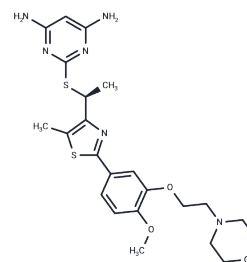


(S)-DI-87

## Chemical Properties

CAS No. :	2107280-58-8
Formula:	C23H30N6O3S2
Molecular Weight:	502.65
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	(S)-DI-87((S)-TRE-515) is an isomer of DI-87. DI-87 is a novel and orally available dCK (deoxycytidine kinase) inhibitor with good in vitro activity and low protein binding. DI-87 binds to dCK and prevents the phosphorylation of deoxycytidine by dCK, resulting in a reduction in dNTP production and cell cycle arrest (especially in S phase). When combined with thymidine, DI-87 significantly inhibits tumor growth.
Targets(IC50)	DNA/RNA Synthesis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9895 mL	9.9473 mL	19.8946 mL
5 mM	0.3979 mL	1.9895 mL	3.9789 mL
10 mM	0.1989 mL	0.9947 mL	1.9895 mL
50 mM	0.0398 mL	0.1989 mL	0.3979 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

Poddar S, et al. Development and preclinical pharmacology of a novel dCK inhibitor, DI-87. *Biochem Pharmacol.* 2020 Feb;172:113742.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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