

MLT-747

## Chemical Properties

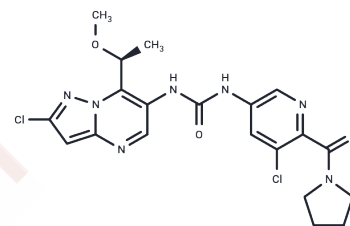
CAS No. : 2097853-86-4

Formula: C<sub>20</sub>H<sub>21</sub>Cl<sub>2</sub>N<sub>7</sub>O<sub>3</sub>

Molecular Weight: 478.33

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	MLT-747 is an effective and allosteric inhibitor of MALT1. It binds MALT1 in the allosteric Trp580 pocket (IC <sub>50</sub> : 14 nM).
Targets(IC <sub>50</sub> )	MALT,Others
In vitro	MLT-747 (0-20 μM) stabilizes cellular MALT1-W580S with an EC <sub>50</sub> of 314 nM.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0906 mL	10.453 mL	20.9061 mL
5 mM	0.4181 mL	2.0906 mL	4.1812 mL
10 mM	0.2091 mL	1.0453 mL	2.0906 mL
50 mM	0.0418 mL	0.2091 mL	0.4181 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

Quancard J, et al. An allosteric MALT1 inhibitor is a molecular corrector rescuing function in an immunodeficient patient. Nat Chem Biol. 2019 Mar;15(3):304-313.

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