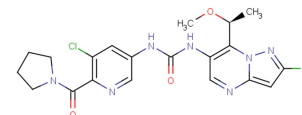


MLT-747

Chemical Properties

CAS No.:	2097853-86-4
Formula:	C ₂₀ H ₂₁ Cl ₂ N ₇ O ₃
Molecular Weight:	478.33
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

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

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.091 mL	10.453 mL	20.906 mL
5 mM	0.418 mL	2.091 mL	4.181 mL
10 mM	0.209 mL	1.045 mL	2.091 mL
50 mM	0.042 mL	0.209 mL	0.418 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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