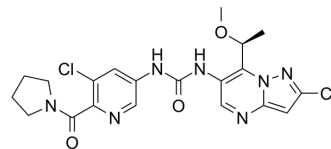


MLT-747

Cat. No.:	HY-124587
CAS No.:	2097853-86-4
Molecular Formula:	C ₂₀ H ₂₁ Cl ₂ N ₇ O ₃
Molecular Weight:	478.33
Target:	MALT1
Pathway:	Metabolic Enzyme/Protease; NF-κB
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (209.06 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.0906 mL	10.4530 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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

MLT-747 is a potent, selective, allosteric inhibitor of MALT1, binds MALT1 in the allosteric Trp580 pocket, with an IC₅₀ of 14 nM^[1].

IC₅₀ & Target

IC₅₀: 14 nM (MALT1)^[1]

In Vitro

MLT-747 (0-20 μM) stabilizes cellular MALT1-W580S with an EC₅₀ of 314 nM^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA