
Product Data Sheet

Product Name: MLT-747
Cat. No.: GC67992

Chemical Properties

Cas. No. 2097853-86-4

Formula $C_{20}H_{21}Cl_2N_7O_3$

M.Wt 478.33

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

Storage 4°C, protect from light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

IC50: 14 nM (MALT1)^[1]

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

MLT-747 (0-20 μM) stabilizes cellular MALT1-W580S with an EC₅₀ of 314 nM^[1].

[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.

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