

MLT-231 biochemical

MLT-231

CATALOG #
AAA227373

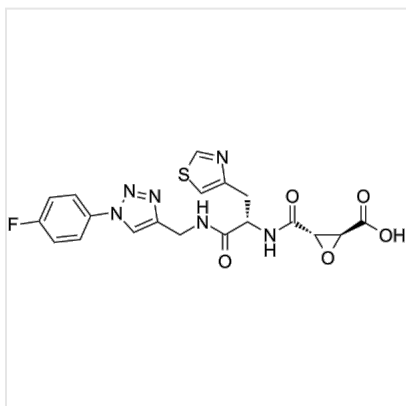
PRODUCT SYNONYMS

MLT-231; MLT-231 biochemical

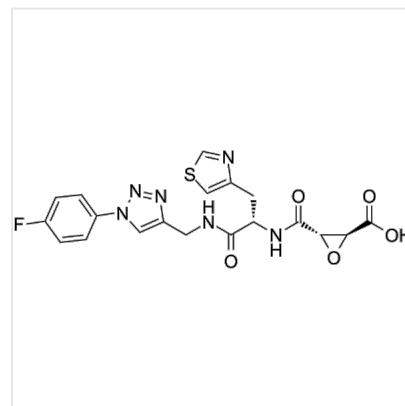
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	DMSO: 110 mg/mL (234.12 mM), Need ultrasonic <1mg/ml refers to the product slightly soluble or insoluble
In vitro	MLT-231 (10-100 mg/kg; p.o.; bid schedule for 2 weeks) displays in vivo efficacy in the ABC-DLBCL xenograft model[1].MLT-231 (1 mg/kg; i.v.; BALB/c mice) treatment shows the CL, t _{1/2} , and V _{ss} are 11 mL/min/kg, 1.9 hours, and 1.5 L/kg, respectively[1].MLT-231 (1 mg/kg; i.v.; Sprague-Dawley rats) treatment shows the CL, t _{1/2} , and V _{ss} are 41 mL/min/kg, 3.2 hours, and 9.4 L/kg, respectively[1].MLT-231 (3mg/kg; p.o.; BALB/c mice) treatment shows the AUC ₀₋₂₄ , C _{max} and F are 3096 nM/h, 549 nM, and 99%, respectively[1].MLT-231 (3mg/kg; p.o.; Sprague-Dawley rats) treatment shows the AUC ₀₋₂₄ , C _{max} and F are 547 nM/h, 46 nM, and 61%, respectively.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Calpain Inhibitor-1, CAS 1448429-06-8



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ADDITIONAL INFORMATION

Related Product Information for MLT-231 biochemical	MLT-231 is a potent, highly selective allosteric MALT1 Inhibitor with an IC ₅₀ of 9 nM. MLT-231 specifically prevents endogenous BCL10 cleavage with IC ₅₀ of 160 nM. MLT-231 shows antitumor activity in an ABC-DLBCL type xenograft model in mouse[1].
References	1. Schiefer IT, Tapadar S, Litosh V, et al. Design, synthesis, and optimization of novel epoxide incorporating peptidomimetics as selective calpain inhibitors. J Med Chem. 2013;56(15):6054-6068.

NCBI AND UNIPROT INFORMATION

Molecular Weight	460.44
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/biochemical/mlt-231/227373>