

## MLN120B dihydrochloride Biochemical | MLN120B biochemical

MLN120B dihydrochloride

CATALOG #  
AAA227895

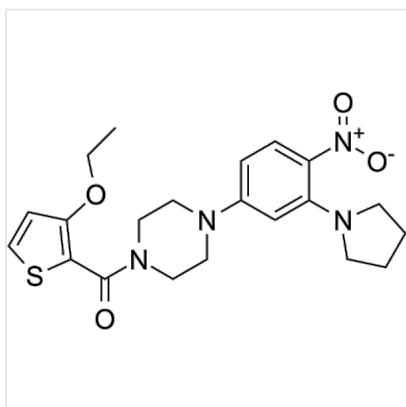
### PRODUCT SYNONYMS

MLN120B dihydrochloride; MLN120B biochemical

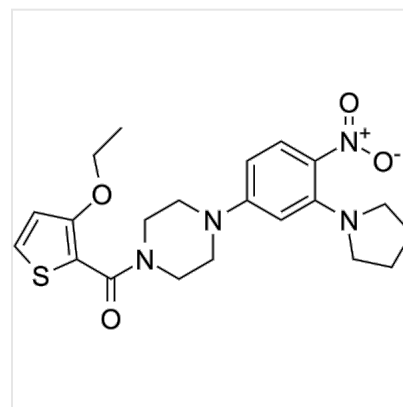
### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity/Purification     | 98%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| CAS                     | 1782573-78-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Solubility              | <1mg/ml refers to the product slightly soluble or insoluble                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| In vitro                | MLN120B (oral administration; 50 mg/kg; twice daily; 3 weeks) induces a reduction of shuIL-6R, marker of tumor growth, marker of tumor growth. It also leads to a rend toward prolonged survival in animals treated versus control[1].MLN120B (oral administration; 50 mg/kg; twice daily; 3 weeks) induces a reduction of shuIL-6R, marker of tumor growth, marker of tumor growth. It also leads to a rend toward prolonged survival in animals treated versus control[3]. Animal Model: SCID mice implanted with human fetal bone chips and then INA6 cells are directly injected into mice[1]. Dosage: 50 mg/kg. Administration: Oral administration; twice daily; 3 weeks. Result: Inhibited human multiple myeloma cell growth in vivo. Animal Model: Two-month-old female Lewis rats[2]. Dosage: 30 mg/kg, 10 mg/kg, 3mg/kg, or 1 mg/kg. Administration: Oral administration; twice daily; 3 weeks. Result: Protected against bone and cartilage destruction in a rat model. |
| Preparation and Storage | Powder: -20 degree C for 3 years<br>In solvent: -80 degree C for 2 years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### IMAGES



Structure  
ALDH1A2-IN-1, CAS 2204229-64-9



Structure  
ALDH1A2-IN-1, CAS 2204229-64-9

### ADDITIONAL INFORMATION

#### Related Product Information for MLN120B biochemical

MLN120B dihydrochloride (ML120B dihydrochloride) is a potent, ATP competitive, and orally active inhibitor of IKKbeta with an IC 50 of 60 nM. MLN120B inhibits multiple myeloma cell growth in vitro and in vivo and also can be used for the research of rheumatoid arthritis.

## References

1. Chen Y, et al. Structural Basis of ALDH1A2 Inhibition by Irreversible and Reversible Small Molecule Inhibitors. ACS Chem Biol. 2018;13(3):582-590.

**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/mln120b-dihydrochloride/227895>