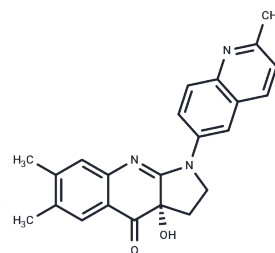


MT110

## Chemical Properties

CAS No. : 2404652-82-8  
 Formula: C<sub>23</sub>H<sub>21</sub>N<sub>3</sub>O<sub>2</sub>  
 Molecular Weight: 371.43  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	MT-110 is a selective, potent, brain-permeable non-muscle myosin II (NMII) inhibitor with an EC <sub>50</sub> of 0.68 μM in a cytokinesis assay, >70-fold selectivity over cardiac myosin II (CMII).
Targets(IC <sub>50</sub> )	Myosin

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6923 mL	13.4615 mL	26.923 mL
5 mM	0.5385 mL	2.6923 mL	5.3846 mL
10 mM	0.2692 mL	1.3461 mL	2.6923 mL
50 mM	0.0538 mL	0.2692 mL	0.5385 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Radnai L, et al. Development of clinically viable non-muscle myosin II small molecule inhibitors. Cell. 2025 Jun 27: S0092-8674(25)00640-3. doi: 10.1016/j.cell.2025.06.006. Epub ahead of print. PMID: 40602401; PMCID: PMC12233157.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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