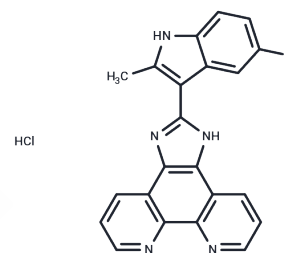


## APTO-253 HCl

## Chemical Properties

CAS No. :	1691221-67-6
Formula:	C <sub>22</sub> H <sub>15</sub> ClFN <sub>5</sub>
Molecular Weight:	403.84
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	APTO-253, also known as LOR-253, LT-253, is a small molecule inhibitor of human metal-regulatory transcription factor 1 (MTF-1) with potential antitumor activity. MTF-1 inhibitor LOR-253 inhibits MTF-1 activity and thereby induces the expression of MTF-1 dependent tumor suppressor factor Kruppel like factor 4 (KLF4). This subsequently leads to the downregulation of cyclin D1, blocking cell cycle progression and proliferation. This agent also causes decreased expression of genes involved in tumor hypoxia and angiogenesis.
Targets(IC50)	Others,c-Myc

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4762 mL	12.3811 mL	24.7623 mL
5 mM	0.4952 mL	2.4762 mL	4.9525 mL
10 mM	0.2476 mL	1.2381 mL	2.4762 mL
50 mM	0.0495 mL	0.2476 mL	0.4952 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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