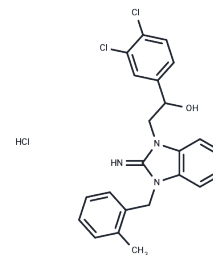


MS351

Chemical Properties

CAS No. : 472984-79-5
 Formula: C₂₃H₂₂Cl₃N₃O
 Molecular Weight: 462.8
 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	MS351 is an antagonist of chromobox 7 (CBX7) that acts by binding the CBX7 chromodomain. It enhances the binding of long noncoding RNA to the CBX7 chromodomain when used at 25 μ M. MS351 induces transcriptional derepression of CBX7 target genes, including p16 (INK4a), in mouse embryonic stem cells and human prostate cancer PC3 cells.
Targets(IC50)	Others

Solubility Information

Solubility	DMF: 0.33 mg/mL (0.71 mM),Sonication is recommended. DMSO: 15 mg/mL (32.41 mM),Sonication is recommended. DMSO:PBS (pH 7.2) (1:10): 0.09 mg/mL (0.19 mM),Sonication is recommended. Ethanol: 0.1 mg/mL (0.22 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1608 mL	10.8038 mL	21.6076 mL
5 mM	0.4322 mL	2.1608 mL	4.3215 mL
10 mM	0.2161 mL	1.0804 mL	2.1608 mL
50 mM	0.0432 mL	0.2161 mL	0.4322 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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