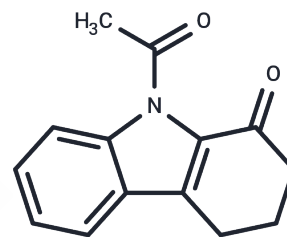


MS7972

## Chemical Properties

CAS No. : 352553-42-5  
 Formula: C<sub>14</sub>H<sub>13</sub>NO<sub>2</sub>  
 Molecular Weight: 227.26  
 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	MS7972 is CREBBP inhibitor that blocks human p53 and CREB binding protein association. MS7972 can almost completely block this BRD interaction at 50 $\mu$ M
Targets(IC50)	Epigenetic Reader Domain,MDM-2/p53

## Solubility Information

Solubility	DMSO: 100 mg/mL (440.02 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (14.52 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4002 mL	22.0012 mL	44.0025 mL
5 mM	0.880 mL	4.4002 mL	8.8005 mL
10 mM	0.440 mL	2.2001 mL	4.4002 mL
50 mM	0.088 mL	0.440 mL	0.880 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

Sachchidanand, et al. Target structure-based discovery of small molecules that block human p53 and CREB binding protein association. Chem Biol. 2006 Jan;13(1):81-90.

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

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