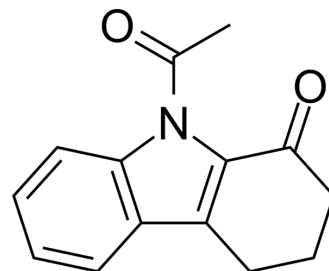


MS7972

Cat. No.:	HY-119053	
CAS No.:	352553-42-5	
Molecular Formula:	C ₁₄ H ₁₃ NO ₂	
Molecular Weight:	227.26	
Target:	MDM-2/p53	
Pathway:	Apoptosis	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (440.02 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	4.4002 mL	22.0012 mL	44.0025 mL
			5 mM	0.8800 mL	4.4002 mL	8.8005 mL
10 mM	0.4400 mL	2.2001 mL	4.4002 mL			
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (11.00 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	MS7972 is a small molecule that blocks human p53 and CREB binding protein association. MS7972 can almost completely block this BRD interaction at 50 μM ^[1] .
In Vitro	Addition of MS7972 to the CBP BRD results in emission at 445 nm and quenching of the CBP BRD due to resonance energy transfer ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA