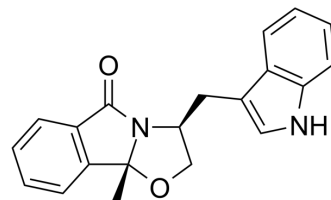


## SLMP53-1

Cat. No.:	HY-122753		
CAS No.:	1643469-17-3		
Molecular Formula:	C <sub>20</sub> H <sub>18</sub> N <sub>2</sub> O <sub>2</sub>		
Molecular Weight:	318.37		
Target:	MDM-2/p53		
Pathway:	Apoptosis		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : 250 mg/mL (785.25 mM; ultrasonic and warming and heat to 80°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.1410 mL	15.7050 mL	31.4100 mL
	5 mM	0.6282 mL	3.1410 mL	6.2820 mL
	10 mM	0.3141 mL	1.5705 mL	3.1410 mL

Please refer to the solubility information to select the appropriate solvent.

## BIOLOGICAL ACTIVITY

### Description

SLMP53-1 is a wild-type and mutant p53 reactivator with promising antitumor activity. SLMP53-1 mediates the reprogramming of glucose metabolism in cancer cells. SLMP53-1 depletes angiogenesis, decreasing endothelial cell tube formation and vascular endothelial growth factor (VEGF) expression levels<sup>[1][2]</sup>.

## REFERENCES

[1]. Gomes S, et al. SLMP53-2 Restores Wild-Type-Like Function to Mutant p53 through Hsp70: Promising Activity in Hepatocellular Carcinoma. *Cancers (Basel)*. 2019 Aug 10;11(8):1151.

[2]. Ramos H, et al. SLMP53-1 Inhibits Tumor Cell Growth through Regulation of Glucose Metabolism and Angiogenesis in a P53-Dependent Manner. *Int J Mol Sci*. 2020 Jan 17;21(2):596.

---

**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](mailto:tech@MedChemExpress.com)

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