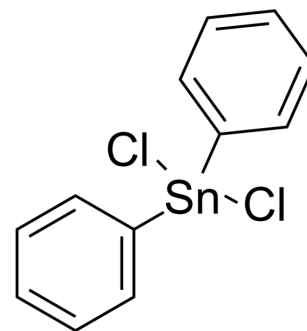


## NSC405640

Cat. No.:	HY-144105
CAS No.:	1135-99-5
Molecular Formula:	C <sub>12</sub> H <sub>10</sub> Cl <sub>2</sub> Sn
Molecular Weight:	343.82
Target:	MDM-2/p53
Pathway:	Apoptosis
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 35 mg/mL (101.80 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.9085 mL	14.5425 mL	29.0850 mL
	5 mM	0.5817 mL	2.9085 mL	5.8170 mL
	10 mM	0.2908 mL	1.4542 mL	2.9085 mL

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

### BIOLOGICAL ACTIVITY

#### Description

NSC405640 is a potent inhibitor of the MDM2-p53 interaction. NSC405640 rescues structural p53 mutations. NSC405640 selectively inhibits the growth of cell lines with wild-type p53<sup>[1]</sup>.

### REFERENCES

[1]. Chen S, et al. Arsenic Trioxide Rescues Structural p53 Mutations through a Cryptic Allosteric Site. *Cancer Cell*. 2021;39(2):225-239.e8.

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

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