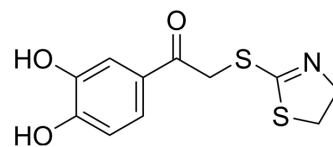


## RETRA

Cat. No.:	HY-108636
CAS No.:	1036069-26-7
Molecular Formula:	C <sub>11</sub> H <sub>11</sub> NO <sub>3</sub> S <sub>2</sub>
Molecular Weight:	269.34
Target:	MDM-2/p53
Pathway:	Apoptosis
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : 125 mg/mL (464.10 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.7128 mL	18.5639 mL	37.1278 mL
	5 mM	0.7426 mL	3.7128 mL	7.4256 mL
	10 mM	0.3713 mL	1.8564 mL	3.7128 mL

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

## BIOLOGICAL ACTIVITY

### Description

RETRA is a mutant p53-dependent activator of p73 that suppresses mutant p53-bearing cancer cells. RETRA increases the expression level of p73, and a release of p73 from the blocking complex with mutant p53, which produces tumor-suppressor effects<sup>[1]</sup>.

## REFERENCES

[1]. J E Kravchenko, et al. Small-molecule RETRA suppresses mutant p53-bearing cancer cells through a p73-dependent salvage pathway. Proc Natl Acad Sci U S A. 2008 Apr 29;105(17):6302-7.

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

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