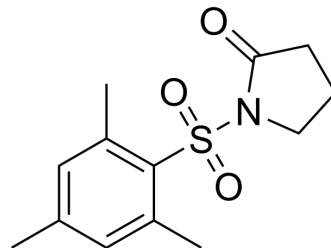


## ROS-IN-1

Cat. No.:	HY-153591
CAS No.:	298193-11-0
Molecular Formula:	C <sub>13</sub> H <sub>17</sub> NO <sub>3</sub> S
Molecular Weight:	267.34
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : 100 mg/mL (374.06 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.7406 mL	18.7028 mL	37.4056 mL
	5 mM		0.7481 mL	3.7406 mL	7.4811 mL
	10 mM		0.3741 mL	1.8703 mL	3.7406 mL

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

## BIOLOGICAL ACTIVITY

### Description

ROS-IN-1 is a mitochondrial ROS inhibitor. ROS-IN-1 can reduce oxidative stress or inhibit reactive oxygen species (ROS) production<sup>[1]</sup>.

### In Vitro

ROS-IN-1 (Compound 40) can reduce ROS production (25.1%)<sup>[1]</sup>.  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

[1]. Martin D, et al. Compounds and methods for modulating mitochondrial metabolism and reactive oxygen species production. Patent. US20140128352A1.

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

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