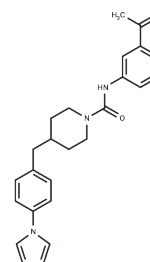


AMRI-59

## Chemical Properties

CAS No. : 923515-92-8  
 Formula: C<sub>25</sub>H<sub>27</sub>N<sub>3</sub>O<sub>2</sub>  
 Molecular Weight: 401.5  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	AMRI-59 is a potent inhibitor of [PrxI] possessing anti-tumor activity.
Targets(IC50)	Apoptosis,Others,Reactive Oxygen Species,Parasite,ROS

## Solubility Information

Solubility	DMSO: 50 mg/mL (124.53 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4907 mL	12.4533 mL	24.9066 mL
5 mM	0.4981 mL	2.4907 mL	4.9813 mL
10 mM	0.2491 mL	1.2453 mL	2.4907 mL
50 mM	0.0498 mL	0.2491 mL	0.4981 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Yang YJ, et al. Effective Killing of Cancer Cells Through ROS-Mediated Mechanisms by AMRI-59 Targeting Peroxiredoxin I. Antioxid Redox Signal. 2016 Mar 10;24(8):453-69.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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