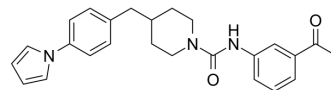


## AMRI-59

Cat. No.:	HY-111125
CAS No.:	923515-92-8
Molecular Formula:	C <sub>25</sub> H <sub>27</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	401.5
Target:	Parasite; Apoptosis; Reactive Oxygen Species
Pathway:	Anti-infection; Apoptosis; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

AMRI-59 is a potent inhibitor of PrxI used for parasitic infections. AMRI-59 can increase cellular ROS, leading to activation of signaling pathways mediated by mitochondria and apoptosis signal-regulated kinase 1, thereby leading to apoptosis in A549 human lung adenocarcinoma. AMRI-59 exhibits significant antitumor activity without apparent acute toxicity<sup>[1]</sup>.

### IC<sub>50</sub> & Target

PrxI<sup>[1]</sup>

## REFERENCES

[1]. 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.

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

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