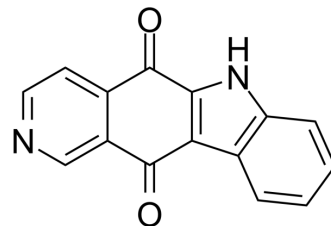


Drpitor1a

Cat. No.:	HY-161119
CAS No.:	73326-98-4
Molecular Formula:	C ₁₅ H ₈ N ₂ O ₂
Molecular Weight:	248.24
Target:	Dynamin; Reactive Oxygen Species
Pathway:	Cytoskeleton; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Drpitor1a is a potent Drp1 inhibitor. Drpitor1a inhibits mitochondrial ROS production, prevents mitochondrial fission, and improves right ventricular diastolic dysfunction during IR (ischemia reperfusion) injury. Drpitor1a has the potential for the research of lung cancer^{[1][2]}.

REFERENCES

[1]. Wu D, et al. Identification of novel dynamin-related protein 1 (Drp1) GTPase inhibitors: Therapeutic potential of Drpitor1 and Drpitor1a in cancer and cardiac ischemia-reperfusion injury. *FASEB J.* 2020 Jan;34(1):1447-1464.

[2]. Wu D, et al. Efficacy of Drpitor1a, a Dynamin-Related Protein 1 inhibitor, in Pulmonary Arterial Hypertension. *bioRxiv [Preprint].* 2023 Dec 23:2023.12.21.572836.

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

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