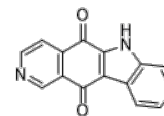


Product Name : Drpitor1a
Cat. No. : PC-26858
CAS No. : 73326-98-4
Molecular Formula : C₁₅H₈N₂O₂
Molecular Weight : 248.24
Target : Dynamin
Solubility : 10 mM in DMSO



CAS: 73326-98-4

Biological Activity

Drpitor1a is a selective, potent dynamin-related protein 1 (**Drp1**) inhibitor with IC₅₀ of 0.06 μM for mitochondrial fragmentation, inhibits the GTPase activity of Drp1 without inhibiting the GTPase of dynamin 1.

Drpitor1a reduces proliferation and induced apoptosis in cancer cells.

Drpitor1a suppresses lung cancer tumor growth in a mouse xenograft model.

Drpitor1a also inhibits mitochondrial ROS production, prevented mitochondrial fission, and improves right ventricular diastolic dysfunction during IR injury.

References

Danchen Wu, et al. *FASEB J.* 2020 Jan;34(1):1447-1464.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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