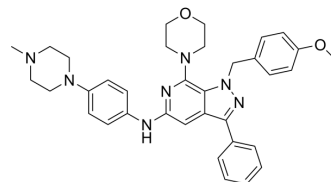


ATP Synthesis-IN-3

Cat. No.:	HY-149736
Molecular Formula:	C ₃₅ H ₃₉ N ₇ O ₂
Molecular Weight:	589.73
Target:	PKA; ATP Synthase
Pathway:	Stem Cell/Wnt; Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ATP Synthesis-IN-3 (compound 31) is an ATP hydrolysis inhibitor with protective effects during myocardial ischemia. ATP Synthesis-IN-3 can increase the ATP content of ischemic cardiomyocytes, increase the phosphorylation of PKA and phospholamban, and inhibit ischemia-induced apoptosis ^[1] .
IC ₅₀ & Target	ATP Synthesis ^[1]

REFERENCES

[1]. Nikolaou PE et al. Hydrolytic Activity of Mitochondrial F1FO-ATP Synthase as a Target for Myocardial Ischemia-Reperfusion Injury: Discovery and In Vitro and In Vivo Evaluation of Novel Inhibitors. *J Med Chem.* 2023 Nov 23;66(22):15115-15140.

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

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