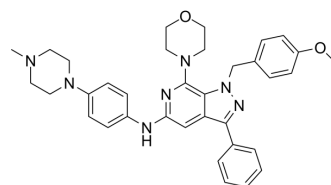


## ATP Synthesis-IN-3

Cat. No.:	HY-149736
CAS No.:	3032416-36-4
Molecular Formula:	C <sub>35</sub> H <sub>39</sub> N <sub>7</sub> O <sub>2</sub>
Molecular Weight:	589.73
Target:	PKA; ATP Synthase
Pathway:	Stem Cell/Wnt; TGF-beta/Smad; 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 <sup>[1]</sup> .
IC <sub>50</sub> & Target	ATP Synthesis <sup>[1]</sup>

### 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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