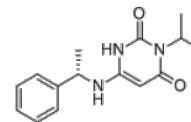


Product Name : Mavacamten
Cat. No. : PC-60047
CAS No. : 1642288-47-8
Molecular Formula : C₁₅H₁₉N₃O₂
Molecular Weight : 273.336
Target : Myosin
Solubility : 10 mM in DMSO



Biological Activity

Mavacamten (SAR-439152, MYK-461) is a small molecule that reduces contractility by decreasing the **ATPase activity of the cardiac myosin heavy chain**.

MYK-461 inhibits α and β isoforms of cardiac myosin with similar activity (IC₅₀=0.3 μ M).

MYK-461 suppresses the development of ventricular hypertrophy, cardiomyocyte disarray, and myocardial fibrosis and attenuates hypertrophic and profibrotic gene expression in mice harboring heterozygous human mutations in the myosin heavy chain.

References

Green EM, et al. *Science*. 2016 Feb 5;351(6273):617-21.

Stern JA, et al. *PLoS One*. 2016 Dec 14;11(12):e0168407.

Kawas RF, et al. *J Biol Chem*. 2017 Oct 6;292(40):16571-16577.

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

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