



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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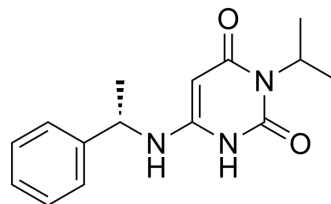
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Mavacamten (Standard)

Cat. No.:	HY-109037R
CAS No.:	1642288-47-8
Molecular Formula:	C ₁₅ H ₁₉ N ₃ O ₂
Molecular Weight:	273.33
Target:	Myosin
Pathway:	Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Mavacamten (Standard) is the analytical standard of Mavacamten. This product is intended for research and analytical applications. Mavacamten (MYK461) is an orally active modulator of cardiac myosin, with IC ₅₀ s of 490, 711 nM for bovine cardiac and human cardiac, respectively.
IC₅₀ & Target	IC ₅₀ : 490 nM (bovine cardiac), 711 nM (human cardiac) ^[1] .

REFERENCES

- [1]. Kawas RF, et al. A small-molecule modulator of cardiac myosin acts on multiple stages of the myosin chemomechanical cycle. *J Biol Chem*. 2017 Oct 6;292(40):16571-16577.
- [2]. Stern JA, et al. A Small Molecule Inhibitor of Sarcomere Contractility Acutely Relieves Left Ventricular Outflow Tract Obstruction in Feline Hypertrophic Cardiomyopathy. *PLoS One*. 2016 Dec 14;11(12):e0168407.
- [3]. Green EM, et al. A small-molecule inhibitor of sarcomere contractility suppresses hypertrophic cardiomyopathy in mice. *Science*. 2016 Feb 5;351(6273):617-21.

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

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