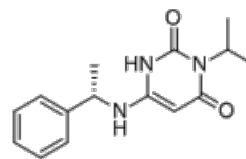


Product Name	: Mavacamten
Synonyms	: SAR-439152;MYK-461
Cat No.	: M12489
CAS Number	: 1642288-47-8
Molecular Formula	: C ₁₅ H ₁₉ N ₃ O ₂
Formula Weight	: 273.34
Chemical Name	: (S)-3-isopropyl-6-((1-phenylethyl)amino)pyrimidine-2,4(1H,3H)-dione



Description : Mavacamten (SAR-439152, MYK-461) is a small molecule that reduces contractility by decreasing the ATPase activity of the cardiac myosin heavy chain; inhibits α and β isoforms of cardiac myosin with similar activity ($IC_{50}=0.3 \mu M$); 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. Other Indication Phase 2 Clinical

Pathway : Cytoskeleton/Cell Adhesion Molecules

Target : Myosin

Receptor : Myosin

Solubility : 10 mM in DMSO

SMILES : O=C1N(C(C)C)C(C=C(N[C@H](C2=CC=CC=C2)C)N1)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Green EM, et al. Science. 2016 Feb 5;351(6273):617-21. | 2. Stern JA, et al. PLoS One. 2016 Dec 14;11(12):e0168407. | 3. Kawas RF, et al. J Biol Chem. 2017 Oct 6;292(40):16571-16577.