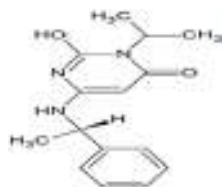


# MYK-461

**ALTERNATE NAME:** 3-(1-methylethyl)-6-[[[(1S)-1-phenylethyl]amino]-2,4(1H,3H)-pyrimidinedione  
SAR439152

**CATALOG #:** B3229-1 1 mg  
B3229-5 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>15</sub>H<sub>19</sub>N<sub>3</sub>O<sub>2</sub>

**MOLECULAR WEIGHT:** 273.3

**CAS NUMBER:** 1642288-47-8

**APPEARANCE:** Crystalline solid

**PURITY:** ≥98%

**SOLUBILITY:** >20 mg/ml DMSO

**DESCRIPTION:** MYK-461 is an orally active inhibitor of cardiac myosin ATPase (IC<sub>50</sub> = 0.3 μM in purified bovine myosin S1). It displays selectivity for cardiac myosin over skeletal myosin (IC<sub>50</sub> = 4.7 μM) and does not induce skeletal muscle impairments. Formulations containing MYK-461 have been used for the treatment of symptomatic hypertrophic cardiomyopathy in humans and cats.

**STORAGE TEMPERATURE:** -20°C. Protect from light

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

ML-240 (B1142)  
(±)-Blebbistatin (2405)  
Bafilomycin A1 (1829)  
Artemisinin (2519)  
K858 (B1073)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*