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## Product Data Sheet

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Product Name: Aficamten

Cat. No.: GC63519

### Chemical Properties

Cas. No. 2364554-48-1

Formula  $C_{18}H_{19}N_5O_2$  M.Wt 337.38

Solubility DMSO : 125 mg/mL (370.50 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

### Background

Aficamten is an inhibitor of cardiac myosin ATPase ( $IC_{50} = 1.26 \mu M$  for the bovine enzyme).<sup>1</sup> It reduces fractional shortening in isolated rat cardiac ventricular myocytes ( $IC_{50} = 7.9 \mu M$ ) and in rats in a dose-dependent manner.

1. Chuang, C., Collibee, S., Ashcraft, L., et al. Discovery of aficamten (CK-274), a next-generation cardiac myosin inhibitor for the treatment of hypertrophic cardiomyopathy. *Med. Chem.* 64(19):14142-14152 (2021)

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

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