

Myosin modulator 2

Chemical Properties

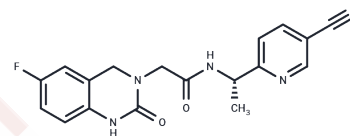
CAS No. : 3034189-87-9

Formula: C₁₈H₁₆FN₅O₂

Molecular Weight: 353.35

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Myosinmodulator 2 (Compound B172) is a myosin modulator that can inhibit ATPase activity in rabbit psoas muscle, pig atrium, and pig ventricle with IC ₂₅ values of 2.013, 2.94, and 20.93 μM, respectively. Additionally, Myosinmodulator 2 influences cardiac contractility in Sprague Dawley rats.
Targets(IC ₅₀)	Myosin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8301 mL	14.1503 mL	28.3006 mL
5 mM	0.566 mL	2.8301 mL	5.6601 mL
10 mM	0.283 mL	1.415 mL	2.8301 mL
50 mM	0.0566 mL	0.283 mL	0.566 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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