

Myosin modulator 1

Chemical Properties

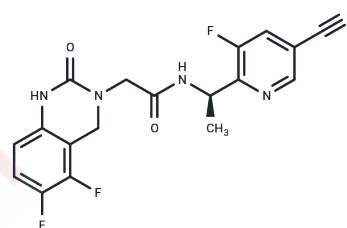
CAS No. : 3034189-56-2

Formula: C₁₈H₁₄F₃N₅O₂

Molecular Weight: 389.33

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 1 (Compound B141) is a myosin regulator that inhibits ATPase activity in rabbit psoas, porcine atrial, and porcine ventricular tissues, with IC ₂₅ values of 0.42, 0.13, and 3.09 μM, respectively. It also modulates cardiac contraction in Sprague Dawley rats.
Targets(IC ₅₀)	Myosin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5685 mL	12.8426 mL	25.6852 mL
5 mM	0.5137 mL	2.5685 mL	5.137 mL
10 mM	0.2569 mL	1.2843 mL	2.5685 mL
50 mM	0.0514 mL	0.2569 mL	0.5137 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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