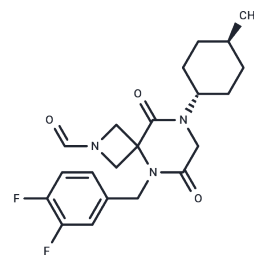


Ulacamten

Chemical Properties

CAS No. :	2830607-59-3
Formula:	C ₂₁ H ₂₅ F ₂ N ₃ O ₃
Molecular Weight:	405.44
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	Ulacamten, also known as CK-4021586 or CK-586, is an orally bioavailable and highly selective cardiac myosin inhibitor that enhances the transition of myosin into a force-generating state without altering calcium handling, demonstrating sub-micromolar biochemical potency and improving left ventricular systolic function in preclinical models while maintaining myocardial energetic efficiency and minimizing off-target activity against skeletal and smooth muscle myosin.
Targets(IC50)	Myosin

Solubility Information

Solubility	DMSO: 100 mg/mL (246.65 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4665 mL	12.3323 mL	24.6646 mL
5 mM	0.4933 mL	2.4665 mL	4.9329 mL
10 mM	0.2466 mL	1.2332 mL	2.4665 mL
50 mM	0.0493 mL	0.2466 mL	0.4933 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.

Reference

WHO Drug Information. Volume 38, No. 2.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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