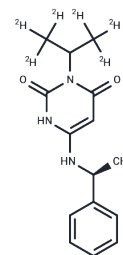


Mavacamten-D6

Chemical Properties

CAS No. :	2453251-18-6
Formula:	C ₁₅ H ₁₃ D ₆ N ₃ O ₂
Molecular Weight:	279.37
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	Mavacamten-D6 is a deuterated compound of Mavacamten. Mavacamten (T7134) has a CAS number of 1642288-47-8. MYK-461 is an orally bioavailable inhibitor of cardiac myosin ATPase, (IC50s of 490, 711 nM for bovine cardiac and human cardiac, respectively)
Targets(IC50)	Myosin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5795 mL	17.8974 mL	35.7948 mL
5 mM	0.7159 mL	3.5795 mL	7.159 mL
10 mM	0.3579 mL	1.7897 mL	3.5795 mL
50 mM	0.0716 mL	0.3579 mL	0.7159 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

1. Kawas R F , Anderson R L , Ingle S R B , et al. A small molecule modulator of cardiac myosin acts on multiple stages of the myosin chemomechanical cycle[J]. Journal of Biological Chemistry, 2017, 292(40):jbc.M117.776815.

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