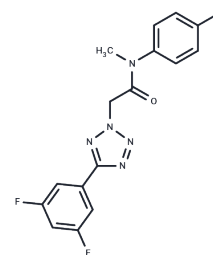


TMDJ-035

## Chemical Properties

CAS No. : 2681302-83-8  
 Formula: C<sub>16</sub>H<sub>12</sub>F<sub>3</sub>N<sub>5</sub>O  
 Molecular Weight: 347.29  
 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	TMDJ-035 is a selective inhibitor of the RyR2 (ryanodine receptor 2). It effectively suppresses abnormal calcium (Ca <sup>2+</sup> ) waves and transients in isolated cardiomyocytes derived from mice with RyR2 mutations. As such, TMDJ-035 serves as a valuable tool in research for elucidating the gating mechanisms and dynamics of the RyR2 channel [1].
Targets(IC50)	Calcium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8794 mL	14.3972 mL	28.7944 mL
5 mM	0.5759 mL	2.8794 mL	5.7589 mL
10 mM	0.2879 mL	1.4397 mL	2.8794 mL
50 mM	0.0576 mL	0.2879 mL	0.5759 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**

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

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