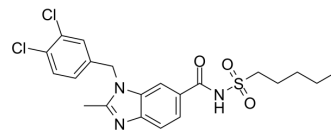


## FR-229934

<b>Cat. No.:</b>	HY-105686		
<b>CAS No.:</b>	799841-02-4		
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>23</sub> Cl <sub>2</sub> N <sub>3</sub> O <sub>3</sub> S		
<b>Molecular Weight:</b>	468.4		
<b>Target:</b>	Phosphodiesterase (PDE)		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (213.49 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1349 mL	10.6746 mL	21.3493 mL
	5 mM	0.4270 mL	2.1349 mL	4.2699 mL
	10 mM	0.2135 mL	1.0675 mL	2.1349 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (5.34 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (5.34 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

FR-229934 is a PDE V inhibitor extracted from patent WO2019130052A1. FR-229934 can be used for the research of pulmonary arterial hypertension and erectile dysfunction<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

PDE V

### REFERENCES

- [1]. PANDYA J, et, al. Liquid oral formulations for pde v inhibitors. WO2019130052A1.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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