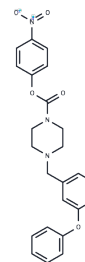


JZL195

## Chemical Properties

CAS No. : 1210004-12-8  
Formula: C<sub>24</sub>H<sub>23</sub>N<sub>3</sub>O<sub>5</sub>  
Molecular Weight: 433.46  
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	JZL195 is a selective and efficacious dual FAAH/MAGL inhibitor.
Targets(IC50)	FAAH,MAGL,Autophagy,Lipase
In vitro	In the corpora cavernosa of rats with Type 2 Diabetes Mellitus (T2DM), the injection of Avanafil (1 μM) has been shown to improve erectile dysfunction.

## Solubility Information

Solubility	DMSO: 11 mg/mL (25.38 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.61 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	2.307 mL	11.5351 mL	23.0702 mL
5 mM	0.4614 mL	2.307 mL	4.614 mL
10 mM	0.2307 mL	1.1535 mL	2.307 mL
50 mM	0.0461 mL	0.2307 mL	0.4614 mL

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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

Long JZ, et al. Proc Natl Acad Sci U S A. 2009 Dec 1;106(48):20270-5.

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