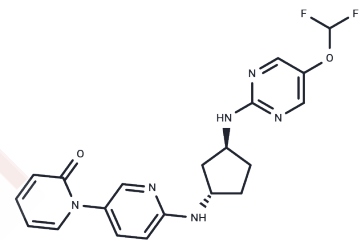


AZD0780

## Chemical Properties

CAS No. : 2455427-91-3  
Formula: C<sub>20</sub>H<sub>20</sub>F<sub>2</sub>N<sub>6</sub>O<sub>2</sub>  
Molecular Weight: 414.41  
Storage: Keep away from moisture  
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	AZD0780 (EX-A6975, PCSK9-IN-12) is an orally active PCSK9 inhibitor with high affinity for PCSK9 (K <sub>d</sub> < 200 nM). It binds to a specific pocket in the C-terminal domain of PCSK9 without affecting the PCSK9-LDLR interaction. AZD0780 blocks the lysosomal trafficking of the PCSK9-LDLR complex and prevents PCSK9-induced LDLR degradation, making it useful for studies related to hypercholesterolemia.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 247.5 mg/mL (597.23 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: 3.3 mg/mL (7.96 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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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	2.4131 mL	12.0653 mL	24.1307 mL
5 mM	0.4826 mL	2.4131 mL	4.8261 mL
10 mM	0.2413 mL	1.2065 mL	2.4131 mL
50 mM	0.0483 mL	0.2413 mL	0.4826 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

Michael H. Serrano-Wu, et al. Pcsk9 inhibitors and methods of use thereof. Patent. WO2020150474A1.

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