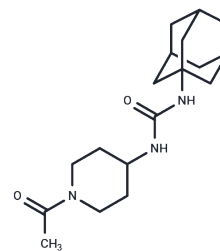


AR-9281

## Chemical Properties

CAS No. : 913548-29-5  
 Formula: C<sub>18</sub>H<sub>29</sub>N<sub>3</sub>O<sub>2</sub>  
 Molecular Weight: 319.44  
 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	AR-9281 (APAU) is a potent and selective inhibitor of soluble epoxide hydrolase (s-EH) potentially for the treatment of hypertension and type 2 diabetes
Targets(IC50)	Epoxide Hydrolase

## Solubility Information

Solubility	DMSO: 25 mg/mL (78.26 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 (6.26 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

	1mg	5mg	10mg
1 mM	3.1305 mL	15.6524 mL	31.3048 mL
5 mM	0.6261 mL	3.1305 mL	6.261 mL
10 mM	0.313 mL	1.5652 mL	3.1305 mL
50 mM	0.0626 mL	0.313 mL	0.6261 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

Chen D, et al. Pharmacokinetics and pharmacodynamics of AR9281, an inhibitor of soluble epoxide hydrolase, in single- and multiple-dose studies in healthy human subjects. J Clin Pharmacol. 2012 Mar;52(3):319-28.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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