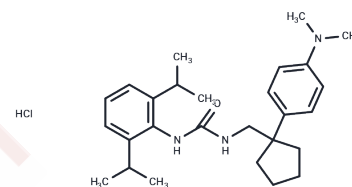


## Nevanimibe hydrochloride

### Chemical Properties

CAS No. : 133825-81-7  
 Formula: C<sub>27</sub>H<sub>40</sub>ClN<sub>3</sub>O  
 Molecular Weight: 458.08  
 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	Nevanimibe hydrochloride (PD-132301 hydrochloride) is an orally active, selective inhibitor of acyl-coenzyme A:cholesterol O-acyltransferase 1 (ACAT1) with an EC <sub>50</sub> of 9 nM.
Targets(IC <sub>50</sub> )	Apoptosis, Acyltransferase
In vitro	In H295R human adrenocortical carcinoma cells, Nevanimibe hydrochloride (ATR-101 hydrochloride) decreases the formation of cholesteryl esters and increases FC levels, demonstrating potent inhibition of ACAT1 activity. Caspase-3/7 levels and terminal deoxynucleotidyl transferase 2'-deoxyuridine 5'-triphosphate nick end labeled-positive cells are increased by ATR-101 treatment, indicating activation of apoptosis[2].

### Solubility Information

Solubility	DMSO: 33.3 mg/mL (72.69 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 (4.37 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	2.183 mL	10.9151 mL	21.8302 mL
5 mM	0.4366 mL	2.183 mL	4.366 mL
10 mM	0.2183 mL	1.0915 mL	2.183 mL
50 mM	0.0437 mL	0.2183 mL	0.4366 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

LaPensee CR, et al. ATR-101, a Selective and Potent Inhibitor of Acyl-CoA Acyltransferase 1, Induces Apoptosis in H295R Adrenocortical Cells and in the Adrenal Cortex of Dogs. *Endocrinology*. 2016 May;157(5):1775-88.

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