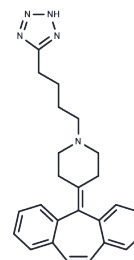


AT-56

## Chemical Properties

CAS No. :	162640-98-4
Formula:	C <sub>25</sub> H <sub>27</sub> N <sub>5</sub>
Molecular Weight:	397.52
Storage:	Store at low temperature, Store under nitrogen Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	AT56, a specific inhibitor of prostaglandin D2 synthase enzymatic activity, blunted adipogenic aldosterone effects.
Targets(IC50)	PGE Synthase

## Solubility Information

Solubility	DMSO: 23.81 mg/mL (59.9 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: 2.38 mg/mL (5.99 mM), Solution. 10% DMSO+90% Saline: $< 2.38$ mg/mL (5.99 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. <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	2.5156 mL	12.578 mL	25.156 mL
5 mM	0.5031 mL	2.5156 mL	5.0312 mL
10 mM	0.2516 mL	1.2578 mL	2.5156 mL
50 mM	0.0503 mL	0.2516 mL	0.5031 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

Urbanet R, et al. Hypertension. 2015 Jul;66(1):149-57.

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