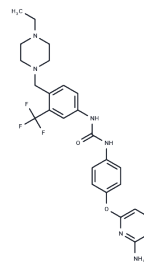


ATH686

## Chemical Properties

CAS No. : 853299-52-2  
 Formula: C<sub>25</sub>H<sub>28</sub>F<sub>3</sub>N<sub>7</sub>O<sub>2</sub>  
 Molecular Weight: 515.53  
 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	ATH686 is an potent and selective Inhibitor of FLT3.
Targets(IC50)	Apoptosis,FLT

## Solubility Information

Solubility	DMSO: 100 mg/mL (193.98 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: 4 mg/mL (7.76 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	1.9398 mL	9.6988 mL	19.3975 mL
5 mM	0.388 mL	1.9398 mL	3.8795 mL
10 mM	0.194 mL	0.9699 mL	1.9398 mL
50 mM	0.0388 mL	0.194 mL	0.388 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

Weisberg E, Roesel J, Furet P, Bold G, Imbach P, Flörsheimer A, Caravatti G, Jiang J, Manley P, Ray A, Griffin JD. Antileukemic Effects of Novel First- and Second-Generation FLT3 Inhibitors: Structure-Affinity Comparison. *Genes Cancer*. 2010 Oct;1(10):1021-32.

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