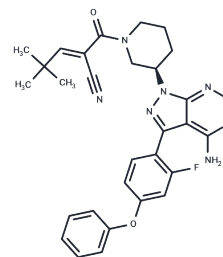


## Atuzabrutinib

## Chemical Properties

CAS No. :	1581714-49-9
Formula:	C30H30FN7O2
Molecular Weight:	539.6
Storage:	Store at low temperature, Keep away from moisture 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	Atuzabrutinib (SAR 444727) is a selective Bruton's tyrosine kinase (Btk) inhibitor that inhibits intra-neutrophilic neutrophilic granulocytes through inhibition of the adhesion receptor signaling pathway, and can be used to study autoimmune disorders such as arthritis in rheumatoid rodents and pemphigus vulgaris.
Targets(IC50)	BTK

## Solubility Information

Solubility	DMSO: 80 mg/mL (148.26 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (6.12 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	1.8532 mL	9.2661 mL	18.5322 mL
5 mM	0.3706 mL	1.8532 mL	3.7064 mL
10 mM	0.1853 mL	0.9266 mL	1.8532 mL
50 mM	0.0371 mL	0.1853 mL	0.3706 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

Herter JM, et al. PRN473, an inhibitor of Bruton's tyrosine kinase, inhibits neutrophil recruitment via inhibition of macrophage antigen-1 signalling. Br J Pharmacol. 2018;175(3):429-439.

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