



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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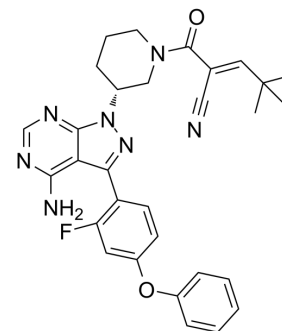
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## Atuzabrutinib

<b>Cat. No.:</b>	HY-132808
<b>CAS No.:</b>	1581714-49-9
<b>Molecular Formula:</b>	C <sub>30</sub> H <sub>30</sub> FN <sub>7</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	539.6
<b>Target:</b>	Btk
<b>Pathway:</b>	Protein Tyrosine Kinase/RTK
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (185.32 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		1.8532 mL	9.2661 mL	18.5322 mL
		<b>5 mM</b>		0.3706 mL	1.8532 mL	3.7064 mL
<b>10 mM</b>		0.1853 mL	0.9266 mL	1.8532 mL		
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.63 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Atuzabrutinib (SAR 444727) is a potent, selective reversible inhibitor of Btk (Bruton's tyrosine kinase) inhibitor. Atuzabrutinib inhibits neutrophil recruitment via inhibition of macrophage antigen-1 signalling <sup>[1]</sup> .
<b>In Vivo</b>	PRN473 (20 mg/kg) significantly reduces intravascular crawling and neutrophil recruitment into inflamed tissue in a model of sterile liver injury, down to levels seen in Btk-deficient animals <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. 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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**Caution: Product has not been fully validated for medical applications. For research use only.**

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