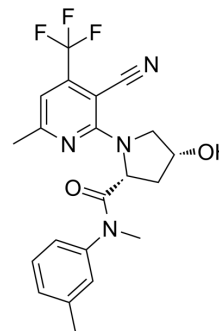


## ART615

Cat. No.:	HY-145056
CAS No.:	3031765-75-7
Molecular Formula:	C <sub>21</sub> H <sub>21</sub> F <sub>3</sub> N <sub>4</sub> O <sub>2</sub>
Molecular Weight:	418.41
Target:	Others
Pathway:	Others
Storage:	<div> <div>Powder</div> <div> -20°C 3 years 4°C 2 years </div> </div> <div> <div>In solvent</div> <div> -80°C 6 months -20°C 1 month </div> </div>



## SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (239.00 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		2.3900 mL	11.9500 mL	23.9000 mL
		5 mM		0.4780 mL	2.3900 mL	4.7800 mL
		10 mM		0.2390 mL	1.1950 mL	2.3900 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (5.98 mM); Clear solution; Need ultrasonic					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (5.98 mM); Clear solution; Need ultrasonic					

## BIOLOGICAL ACTIVITY

Description	ART615 is the related isomer of ART558. ART615, the inactive of ART558, elicits <10% Polθ inhibition at 12 μM, thus serving as a control for ART558 (IC <sub>50</sub> =7.9 nM) <sup>[1]</sup> .
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## REFERENCES

[1]. Zatreanu D, et al. Polθ inhibitors elicit BRCA-gene synthetic lethality and target PARP inhibitor resistance. Nat Commun. 2021 Jun 17;12(1):3636.

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

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