ART615

Cat. No.: HY-145056

Molecular Formula: $C_{21}H_{21}F_3N_4O_2$

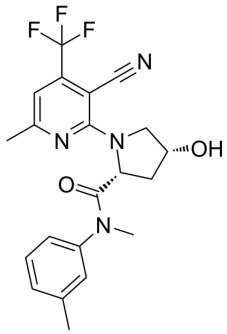
Molecular Weight: 418.41

Target: Others

Pathway: Others

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (239.00 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	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_{50}=7.9 nM)[1].

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.

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

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