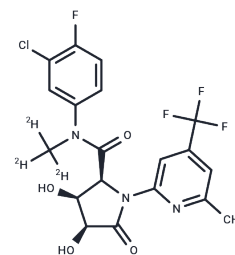


ART899

Chemical Properties

CAS No. : 2607139-85-3
 Formula: C₁₉H₁₆ClF₄N₃O₄
 Molecular Weight: 464.81
 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	ART899 is a potent and specific conformational inhibitor of DNA polymerase θ (Pol θ). It specifically inhibits the MMEJ activity of Pol θ with an IC ₅₀ of 180 nM. Additionally, ART899 selectively enhances the radiosensitivity of tumor cells and possesses a strong independent antitumor effect on cancer cells.
Targets(IC ₅₀)	DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1514 mL	10.7571 mL	21.5142 mL
5 mM	0.4303 mL	2.1514 mL	4.3028 mL
10 mM	0.2151 mL	1.0757 mL	2.1514 mL
50 mM	0.043 mL	0.2151 mL	0.4303 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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