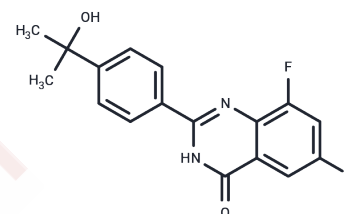


## Tankyrase-IN-2

## Chemical Properties

CAS No. :	1588870-36-3
Formula:	C17H14F2N2O2
Molecular Weight:	316.3
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	Tankyrase-IN-2 is a selective, potent and orally active inhibitor of tankyrase with IC50s of 10, 7, and 710 nM for TNKS1, TNKS2 as well as PARP1, respectively
Targets(IC50)	PARP,Wnt/beta-catenin
In vitro	In DLD1 cells, Tankyrase-IN-2 (1-10000 nM; 24 hours) leads to a dose-dependent increase of tankyrase protein abundance (EC50 of 320 nM). This is in the same potency range as the value for axin2 increase with EC50 of 319 nM.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1616 mL	15.8078 mL	31.6156 mL
5 mM	0.6323 mL	3.1616 mL	6.3231 mL
10 mM	0.3162 mL	1.5808 mL	3.1616 mL
50 mM	0.0632 mL	0.3162 mL	0.6323 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

Buchstaller HP, et al. Discovery and Optimization of 2-Arylquinazolin-4-ones into a Potent and Selective TankyraseInhibitor Modulating Wnt Pathway Activity. J Med Chem. 2019 Aug 5.

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