

ATR-IN-20

## Chemical Properties

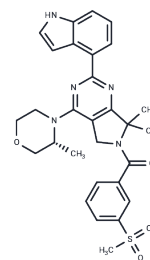
CAS No. :

Formula: C<sub>29</sub>H<sub>31</sub>N<sub>5</sub>O<sub>4</sub>S

Molecular Weight: 545.65

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	ATR-IN-20, a potent ATM/ATR inhibitor, showcases an IC <sub>50</sub> value of 3 nM. It also exhibits inhibitory activity against mTOR with an IC <sub>50</sub> of 18 nM, while maintaining selectivity over PI3K $\alpha$ (100 nM), ATM (100 nM), and DNA-PK (662 nM). Additionally, ATR-IN-20 has an excellent pharmacokinetic profile with an oral bioavailability (F) of 30%, and demonstrates anticancer effects.
Targets(IC <sub>50</sub> )	ATM/ATR,Others,mTOR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8327 mL	9.1634 mL	18.3268 mL
5 mM	0.3665 mL	1.8327 mL	3.6654 mL
10 mM	0.1833 mL	0.9163 mL	1.8327 mL
50 mM	0.0367 mL	0.1833 mL	0.3665 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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