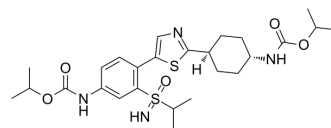


## RAD51-IN-5

<b>Cat. No.:</b>	HY-143736		
<b>CAS No.:</b>	2690367-19-0		
<b>Molecular Formula:</b>	C <sub>26</sub> H <sub>38</sub> N <sub>4</sub> O <sub>5</sub> S <sub>2</sub>		
<b>Molecular Weight:</b>	550.73		
<b>Target:</b>	RAD51		
<b>Pathway:</b>	Cell Cycle/DNA Damage		
<b>Storage:</b>	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 (181.58 mM; ultrasonic and warming and heat to 60°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.8158 mL	9.0789 mL	18.1577 mL
	5 mM	0.3632 mL	1.8158 mL	3.6315 mL
	10 mM	0.1816 mL	0.9079 mL	1.8158 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

RAD51-IN-5 is a potent inhibitor of RAD51. RAD51 is a eukaryote gene. RAD51-IN-5 has the potential for the research of conditions involving mitochondrial defects (extracted from patent WO2021164746A1, compound 3)<sup>[1]</sup>.

### REFERENCES

[1]. Peng Gu, et al. Substituted aryl compound. Patent WO2021164746A1.

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

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