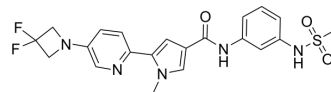


## DHX9-IN-1

<b>Cat. No.:</b>	HY-156782		
<b>CAS No.:</b>	2973747-89-4		
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>21</sub> F <sub>2</sub> N <sub>5</sub> O <sub>3</sub> S		
<b>Molecular Weight:</b>	461.48		
<b>Target:</b>	DNA/RNA Synthesis		
<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 (216.69 mM; ultrasonic and warming and heat to 80°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1669 mL	10.8347 mL	21.6694 mL
	5 mM	0.4334 mL	2.1669 mL	4.3339 mL
	10 mM	0.2167 mL	1.0835 mL	2.1669 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: 3.85 mg/mL (8.34 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: 2.5 mg/mL (5.42 mM); Clear solution; Need ultrasonic

### BIOLOGICAL ACTIVITY

#### Description

DHX9-IN-1 (example 160) is an inhibitor of ATP-dependent RNA helicase A (DHX9), with the IC<sub>50</sub> of 9.45 nM that has antitumor activity<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

9.45 nM (DHX9)<sup>[1]</sup>

### REFERENCES

- [1]. DANIELS Matthew, H, et al. Preparation of N-sulfonamidophenyl carboxamides as inhibitors of RNA helicase DHX9 and uses thereof. World Intellectual Property

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA